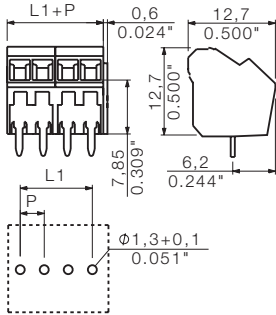


PCB Terminals

PCB Terminals

Clamping yoke connection for cross-sections up to 1.5 mm ²	B.2
Clamping yoke connection for cross-sections up to 2.5 mm ²	B.8
Clamping yoke connection for cross-sections up to 6 mm ²	B.14
Clamping yoke connection for cross-sections up to 10 mm ²	B.34
Clamping yoke connection for cross-sections up to 16 mm ²	B.36
Clamping yoke connection for cross-sections up to 25 mm ²	B.42
TOP connection	B.46
Leaf spring connection	B.60
Tension clamp connection	B.64
Spade connection	B.72
THR PCB Terminals with clamping yoke connection	B.78
THR PCB Terminals with Push In connection	B.82

LM 3.5/135



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1714980000	
3	7.00	(0.276)	100	1715020000	
4	10.50	(0.413)	100	1845220000	
5	14.00	(0.551)	50	1845230000	
6	17.50	(0.689)	50	1845240000	
7	21.00	(0.827)	50	1845250000	
8	24.50	(0.965)	50	1845260000	
9	28.00	(1.102)	50	1845270000	
10	31.50	(1.240)	50	1845280000	
11	35.00	(1.378)	50	1845290000	
12	38.50	(1.516)	50	1845300000	

Clamping yoke connection for cross-sections up to 1.5 mm²

LM 3.5



Small, compact double level PCB terminal with proven clamping yoke connection and 3.5 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 1.5 mm².

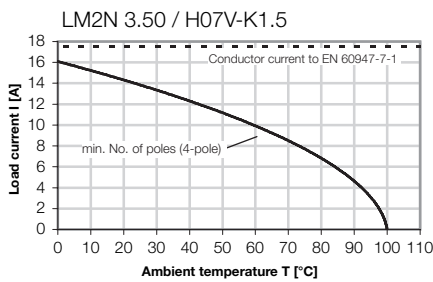
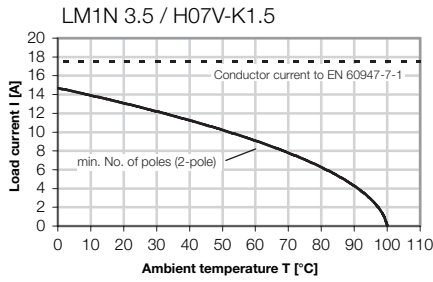
- 0.5 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 13 A (IEC) / 10 A (UL)

Technical data

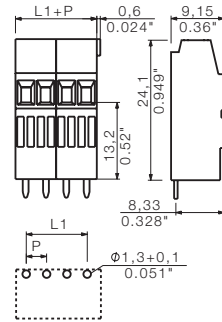
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...2.08	
Solid H05(07) V-U	mm ²	0.5...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...1.5	
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current at ambient temperature			
		20°C	40°C
LM1N 3.5	A	13	11
LM2N 3.5	A	13	11
Overvoltage category			
		III	II
Pollution severity			
		3	2
Rated voltage	V	160	320
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data			
		B	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	
CSA C22.2 rated data			
		B	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		Cu alloy	
Material of contact surface		tinned	

- Information**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Max. O.D. of conductor: 2.9 mm
 - Wire end ferrule with plastic collar to DIN 46228 pt 4
 - P on drg. = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LM1N 3.5



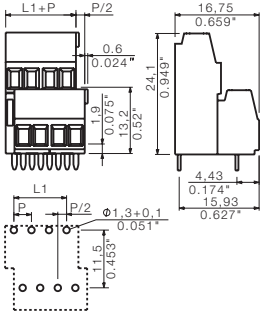
Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1716710000	
3	7.00	(0.276)	100	1716720000	

LM2N 3.5

Multi level



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	3.50	(0.138)	100	1703700000	
6	7.00	(0.276)	100	1703710000	
8	10.50	(0.413)	100	1703720000	
10	14.00	(0.551)	50	1703730000	
12	17.50	(0.689)	50	1703740000	
14	21.00	(0.827)	50	1703750000	
16	24.50	(0.965)	50	1703760000	
18	28.00	(1.102)	50	1703770000	
20	31.50	(1.240)	50	1703780000	
22	35.00	(1.378)	25	1703790000	
24	38.50	(1.516)	25	1703800000	
26	42.00	(1.654)	25	1703810000	
28	45.50	(1.791)	25	1703820000	
30	49.00	(1.929)	25	1703830000	
32	52.50	(2.067)	25	1703840000	
34	56.00	(2.205)	25	1703850000	
36	59.50	(2.343)	25	1703860000	
38	63.00	(2.480)	25	1703870000	
40	66.50	(2.618)	25	1703880000	
42	70.00	(2.756)	20	1703890000	
44	73.50	(2.894)	20	1703900000	
46	77.00	(3.031)	20	1703910000	
48	80.50	(3.169)	20	1703920000	

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



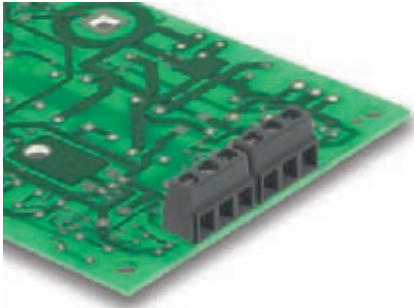
Screwdriver

See chapter accessories
Order No. 9008370000



Clamping yoke connection for cross-sections up to 1.5 mm²

LS 5.08



Small, compact and powerful - this PCB terminal with proven clamping yoke connection and 5.08 mm pitch has a capacity of 17.5 A. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 1.5 mm².

- 0.08 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.08...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.08...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

Rated current at ambient temperature		20°C	40°C
	A	17.5	17.5

Overvoltage category		III	III	II
Pollution severity		3	2	2

Rated voltage	V	250	320	630
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
Nominal voltage	V	300	300	
Rated current	A	15	10	
AWG conductor			28-14	

CSA C22.2 rated data

		B	C	D
Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor			28-14	

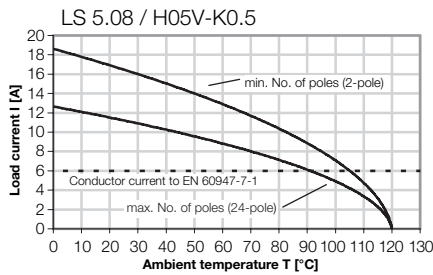
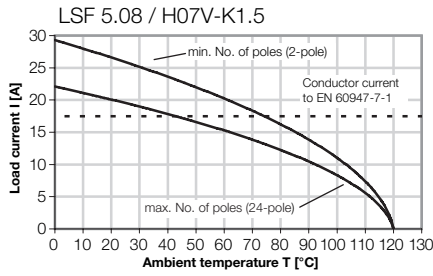
Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

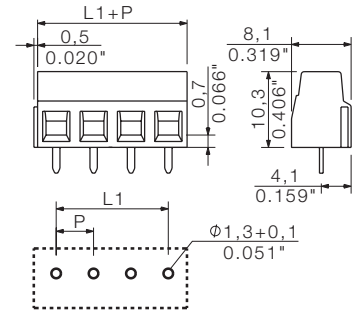
Information

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LS 5.08/90



Ordering data

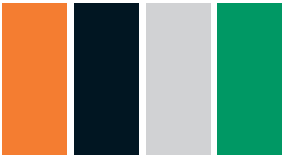
Solder pin length	3.5 mm
Colour of plastic	black

Pitch 5.08 mm		Order No.	Order No.
Poles	L1 mm (inch)	Qty.	
2	5.08 (0.200)	100	1810850000
3	10.16 (0.400)	100	1810860000
4	15.24 (0.600)	100	1810870000
5	20.32 (0.800)	100	1810880000
6	25.40 (1.000)	100	1810890000
7	30.48 (1.200)	100	1810900000
8	35.56 (1.400)	100	1810910000
9	40.64 (1.600)	100	1810920000
10	45.72 (1.800)	100	1810930000
11	50.80 (2.000)	100	1810940000
12	55.88 (2.200)	100	1810950000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories

Order No. 9008390000, Order No. 9008520000



Clamping yoke connection for cross-sections up to 2.5 mm²

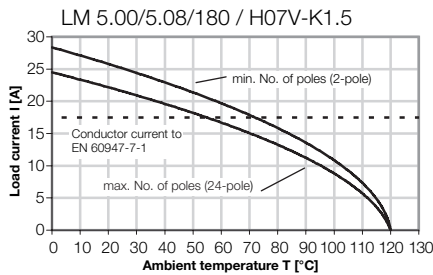
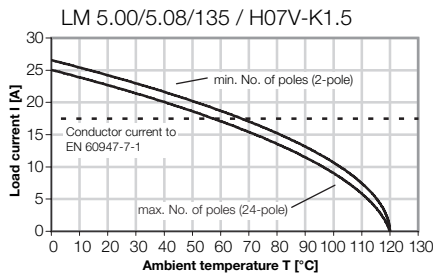
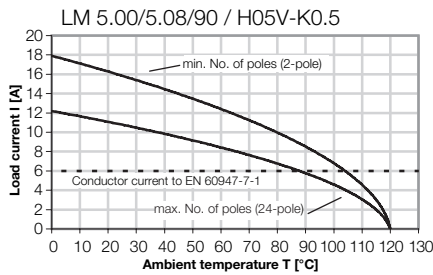
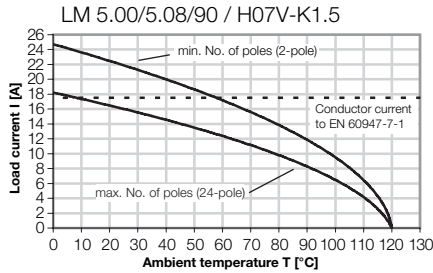
LM 5.08
LM 5.00



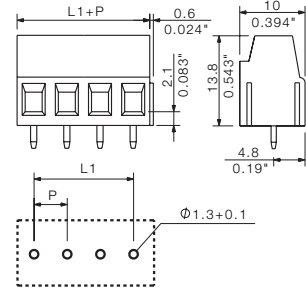
PCB terminal with proven clamping yoke connection in 5.00 and 5.08 mm pitch. Conductor outlet direction 90°, 135° and 180°. Suitable for conductor cross-sections up to 2.5 mm².

- 0.2 - 2.5 mm² (IEC) / 24 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 15 A (UL)

Derating curve



LM 5.08/90
LM 5.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...2.5	
Solid H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	

Rated current at ambient temperature

		20°C	40°C
	A	17.5	17.5

Overvoltage category

		III	III	II
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Pollution severity

		3	2	2
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Rated voltage	V	250	320	630
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
--	--	---	---	---

Nominal voltage	V	300	300	300
Rated current	A	15	10	10
AWG conductor		24-14		

CSA C22.2 rated data

		B	C	D
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Rated voltage	V	300	300	300
Rated current	A	18	10	10
AWG conductor		24-14		

Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

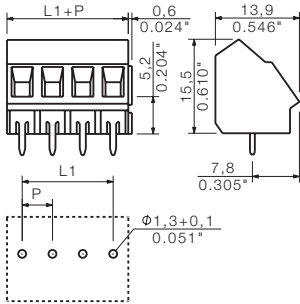
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	500		1716080000
3	10.16	(0.400)	500		1716090000
4	15.24	(0.600)	50		9994130000
5	20.32	(0.800)	50		9994140000
6	25.40	(1.000)	50		9994150000
7	30.48	(1.200)	50		9994160000
8	35.56	(1.400)	50		9994170000
9	40.64	(1.600)	50		9994180000
10	45.72	(1.800)	50		9994190000
11	50.80	(2.000)	50		9994200000
12	55.88	(2.200)	50		9994210000
13	60.96	(2.400)	50		9994220000
14	66.04	(2.600)	50		9994230000
15	71.12	(2.800)	50		9994240000
16	76.20	(3.000)	50		9994250000
17	81.28	(3.200)	50		9994260000
18	86.36	(3.400)	50		9994270000
19	91.44	(3.600)	50		9994280000
20	96.52	(3.800)	50		9994290000
21	101.60	(4.000)	50		9994300000
22	106.68	(4.200)	50		9994310000
23	111.76	(4.400)	50		9994320000
24	116.84	(4.600)	50		9994330000

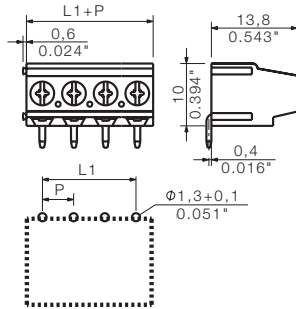
Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	500		1715310000
3	10.00	(0.394)	500		1715320000
4	15.00	(0.591)	100		1821490000
5	20.00	(0.787)	50		1845310000
6	25.00	(0.984)	50		1845320000
7	30.00	(1.181)	50		1845330000
8	35.00	(1.378)	50		1845340000
9	40.00	(1.575)	50		1845350000
10	45.00	(1.772)	50		1845360000
11	50.00	(1.969)	50		1845370000
12	55.00	(2.165)	50		1845380000

LM 5.08/135
LM 5.00/135



LM 5.08/180
LM 5.00/180



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000, Order No. 9008520000



Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	500		1716120000
3	10.16	(0.400)	500		1716130000
4	15.24	(0.600)	50		9994550000
5	20.32	(0.800)	50		9994560000
6	25.40	(1.000)	50		9994570000
7	30.48	(1.200)	50		9994580000
8	35.56	(1.400)	50		9994590000
9	40.64	(1.600)	50		9994600000
10	45.72	(1.800)	50		9994610000
11	50.80	(2.000)	50		9994620000
12	55.88	(2.200)	50		9994630000
13	60.96	(2.400)	50		9994640000
14	66.04	(2.600)	50		9994650000
15	71.12	(2.800)	50		9994660000
16	76.20	(3.000)	50		9994670000
17	81.28	(3.200)	50		9994680000
18	86.36	(3.400)	50		9994690000
19	91.44	(3.600)	50		9994700000
20	96.52	(3.800)	50		9994710000
21	101.60	(4.000)	50		9994720000
22	106.68	(4.200)	50		9994730000
23	111.76	(4.400)	50		9994740000
24	116.84	(4.600)	50		9994750000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	500		1715350000
3	10.00	(0.394)	500		1715360000
4	15.00	(0.591)	50		1845390000
5	20.00	(0.787)	50		1845400000
6	25.00	(0.984)	50		1845410000
7	30.00	(1.181)	50		1845420000
8	35.00	(1.378)	50		1845430000
9	40.00	(1.575)	50		1845440000
10	45.00	(1.772)	50		1845450000
11	50.00	(1.969)	50		1845460000
12	55.00	(2.165)	50		1845470000

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

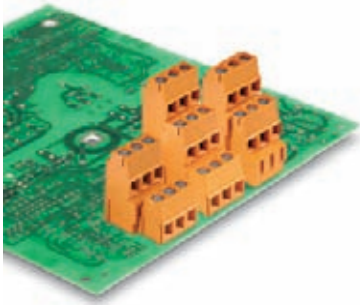
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	500		1716100000
3	10.16	(0.400)	500		1716110000
4	15.24	(0.600)	50		9994970000
5	20.32	(0.800)	50		9994980000
6	25.40	(1.000)	50		9994990000
7	30.48	(1.200)	50		9995000000
8	35.56	(1.400)	50		9995010000
9	40.64	(1.600)	50		9995020000
10	45.72	(1.800)	50		9995030000
11	50.80	(2.000)	50		9995040000
12	55.88	(2.200)	50		9995050000
13	60.96	(2.400)	50		9995060000
14	66.04	(2.600)	50		9995070000
15	71.12	(2.800)	50		9995080000
16	76.20	(3.000)	50		9995090000
17	81.28	(3.200)	50		9995100000
18	86.36	(3.400)	50		9995110000
19	91.44	(3.600)	50		9995120000
20	96.52	(3.800)	50		9995130000
21	101.60	(4.000)	50		9995140000
22	106.68	(4.200)	50		9995150000
23	111.76	(4.400)	50		9995210000
24	116.84	(4.600)	50		9995220000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	500		1715330000
3	10.00	(0.394)	500		1715340000

Clamping yoke connection for cross-sections up to 2.5 mm²

LM 5.08 multi level



Modular multi level PCB terminal with proven clamping yoke connection at 5.08 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 2.5 mm².

- 0.2 - 2.5 mm² (IEC) / 24 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...2.5	
Solid H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade according to norm	mm	0.6 x 3.5	
Tightening torque range	Nm	DIN 5264 0.4...0.5	

Rated current

at ambient temperature		20°C	40°C
LM1N 5.08	A	17.5	17.5
LM1H 5.08	A	17.5	17.5

Overvoltage category

Pollution severity	III	III	II
	3	2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4

UL 1059 rated data

		B	C	D
Rated voltage	V	300	300	300
Rated current	A	15	10	10
AWG conductor		24-14		

CSA C22.2 rated data

		B	C	D
Rated voltage	V	300	300	300
Rated current	A	18	10	10
AWG conductor		24-14		

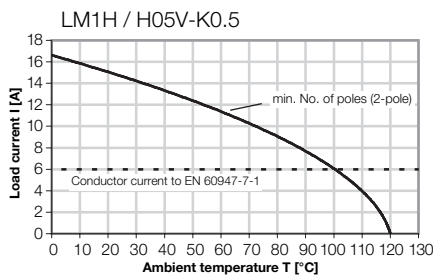
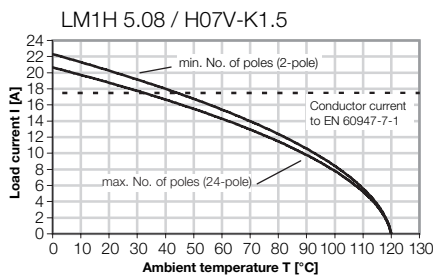
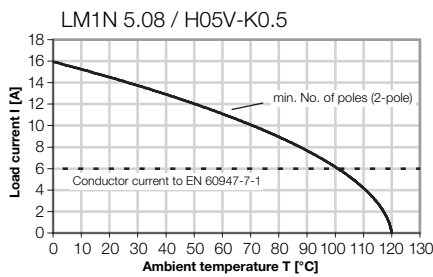
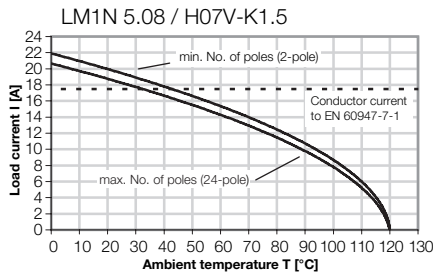
Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

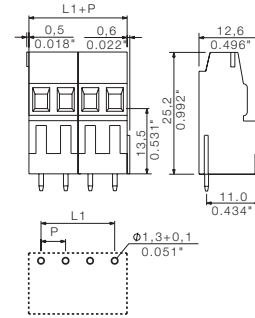
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LM1N 5.08

Single row, middle



Ordering data

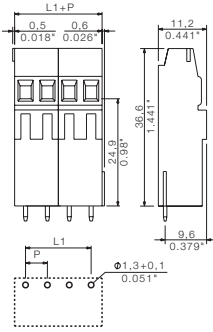
Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1766300000
3	10.16	(0.400)	100		1766310000

LM1H 5.08

Single row, high



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	3.5 mm				
Colour of plastic	orange				
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1766360000
3	10.16	(0.400)	100		1766370000

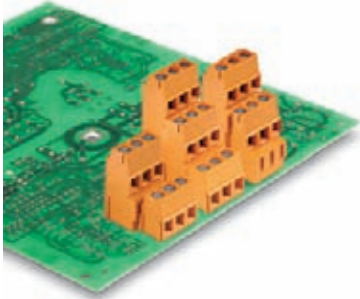
Screwdriver

See chapter accessories
Order No. 9008390000, Order No. 9008520000



Clamping yoke connection for cross-sections up to 2.5 mm²

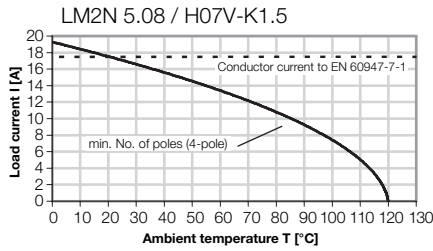
LM 5.08 multi level



Multi level PCB terminal with proven clamping yoke connection in 5.08 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 2.5 mm².

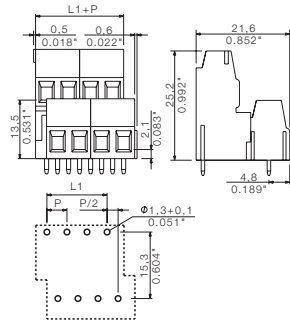
- 0.2 - 2.5 mm² (IEC) / 24 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 15 A (UL)

Derating curve



LM2N 5.08

Double level row



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.2...2.5
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

Rated current

at ambient temperature		20°C	40°C
LM2N 5.08	A	17.5	17.5
LM2H 5.08	A	17.5	17.5
LM3R 5.08	A	17.5	17.5

Overvoltage category

Pollution severity		III	III	II
Rated voltage	V	250	320	630
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
Rated voltage	V	300	300	300
Rated current	A	15	10	10
AWG conductor		24-14		

CSA C22.2 rated data

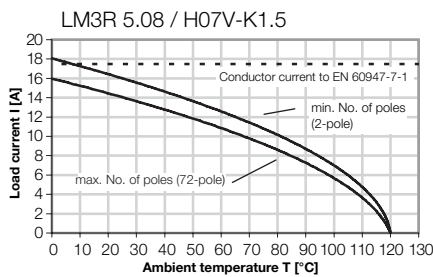
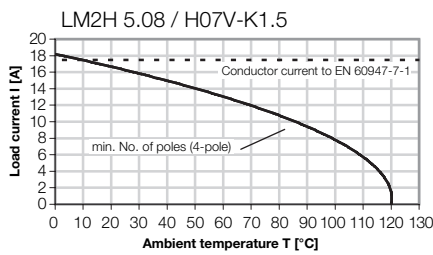
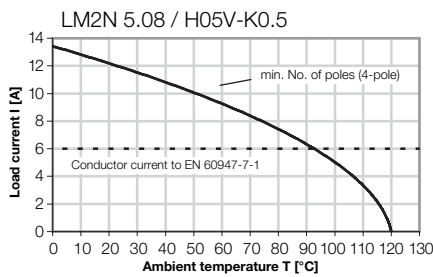
		B	C	D
Rated voltage	V	300	300	300
Rated current	A	18	10	10
AWG conductor		24-14		

Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

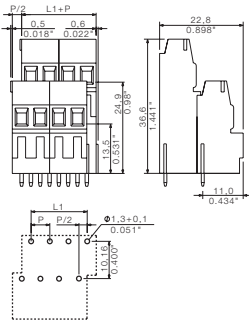


Ordering data

Solder pin length	3.5 mm				
Colour of plastic	orange				
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50		1768850000
6	10.16	(0.400)	50		1768860000
8	15.24	(0.600)	50		1768870000
10	20.32	(0.800)	50		1768880000
12	25.40	(1.000)	20		1768890000
14	30.48	(1.200)	20		1768900000
16	35.56	(1.400)	20		1768910000
18	40.64	(1.600)	20		1768920000
20	45.72	(1.800)	20		1768930000
22	50.80	(2.000)	20		1768940000
24	55.88	(2.200)	10		1768950000
26	60.96	(2.400)	10		1768960000
28	66.04	(2.600)	10		1768970000
30	71.12	(2.800)	10		1768980000
32	76.20	(3.000)	10		1768990000
34	81.28	(3.200)	10		1769000000
36	86.36	(3.400)	10		1769010000
38	91.44	(3.600)	10		1769020000
40	96.52	(3.800)	10		1769030000
42	101.60	(4.000)	10		1769040000
44	106.68	(4.200)	10		1769050000
46	111.76	(4.400)	10		1769060000
48	116.84	(4.600)	10		1769070000

LM2H 5.08

Double level row high



Ordering data

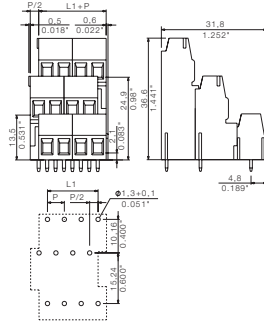
Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50		1769240000
6	10.16	(0.400)	50		1769250000
8	15.24	(0.600)	50		1769260000
10	20.32	(0.800)	50		1769270000
12	25.40	(1.000)	20		1769280000
14	30.48	(1.200)	20		1769290000
16	35.56	(1.400)	20		1769300000
18	40.64	(1.600)	20		1769310000
20	45.72	(1.800)	20		1769320000
22	50.80	(2.000)	20		1769330000
24	55.88	(2.200)	10		1769340000
26	60.96	(2.400)	10		1769350000
28	66.04	(2.600)	10		1769360000
30	71.12	(2.800)	10		1769370000
32	76.20	(3.000)	10		1769380000
34	81.28	(3.200)	10		1769390000
36	86.36	(3.400)	10		1769400000
38	91.44	(3.600)	10		1769410000
40	96.52	(3.800)	10		1769420000
42	101.60	(4.000)	10		1769430000
44	106.68	(4.200)	10		1769440000
46	111.76	(4.400)	10		1769450000
48	111.76	(4.400)	10		1769460000

LM3R 5.08

Triple level



Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
6	5.08	(0.200)	50		1769620000
9	10.16	(0.400)	50		1769630000
12	15.24	(0.600)	50		1769640000
15	20.32	(0.800)	25		1769650000
18	25.40	(1.000)	25		1769660000
21	30.48	(1.200)	20		1769670000
24	35.56	(1.400)	20		1769680000
27	40.64	(1.600)	20		1769690000
30	45.72	(1.800)	10		1769700000
33	50.80	(2.000)	10		1769710000
36	55.88	(2.200)	10		1769720000
39	60.96	(2.400)	10		1769730000
42	66.04	(2.600)	10		1769740000
45	71.12	(2.800)	10		1769750000
48	76.20	(3.000)	10		1769760000
51	81.28	(3.200)	10		1769770000
54	86.36	(3.400)	5		1769780000
57	91.44	(3.600)	5		1769790000
60	96.52	(3.800)	5		1769800000
63	101.60	(4.000)	5		1769810000
66	106.68	(4.200)	5		1769820000
69	111.76	(4.400)	5		1769830000
72	116.84	(4.600)	5		1769840000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



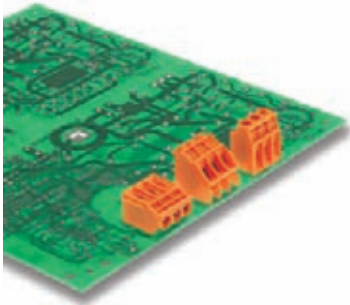
Screwdriver

See chapter accessories
Order No. 9008390000, Order No. 9008520000



Clamping yoke connection for cross-sections up to 6 mm²

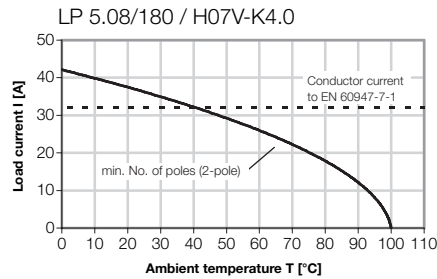
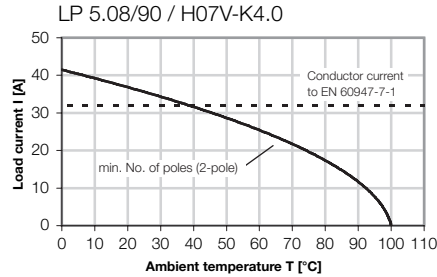
LP 5.08
LP 5.00



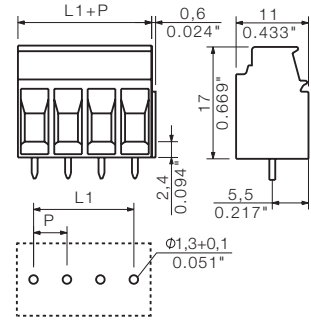
This PCB terminal provides connections for 32 A and 6 mm² conductor cross-section with established clamping yoke connection at 5.00 and 5.08 mm pitch, conductor outlet direction in 90° and 180° design, with extensive auxiliary functions

- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LP 5.08/90
LP 5.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	

Rated current

at ambient temperature		20°C	40°C
	A	32	32

Overvoltage category

		III	III	II
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Pollution severity

		3	2	2
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Rated voltage	V	250	250	500
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
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Nominal voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

CSA C22.2 rated data

		B	C	D
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Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

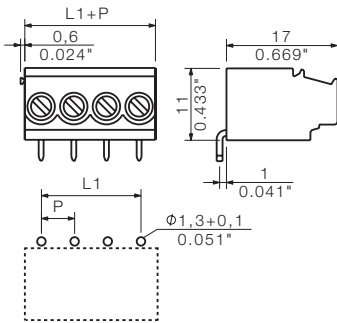
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1592820000	
3	10.16	(0.400)	100	1592830000	
4	15.24	(0.600)	100	1594360000	
5	20.32	(0.800)	50	1724530000	
6	25.40	(1.000)	50	1608250000	
7	30.48	(1.200)	50	1759120000	
8	35.56	(1.400)	50	1594370000	
9	40.64	(1.600)	50	1759130000	
10	45.72	(1.800)	50	1594380000	
11	50.80	(2.000)	50	1760480000	
12	55.88	(2.200)	50	1608270000	
13	60.96	(2.400)	50	1759140000	
14	66.04	(2.600)	50	1759150000	
15	71.12	(2.800)	50	1759160000	
16	76.20	(3.000)	50	1594390000	
17	81.28	(3.200)	20	1759170000	
18	86.36	(3.400)	20	1759180000	
19	91.44	(3.600)	20	1844450000	
20	96.52	(3.800)	20	1759190000	
21	101.60	(4.000)	20	1759200000	
22	106.68	(4.200)	20	1844460000	
23	111.76	(4.400)	20	1844470000	
24	116.84	(4.600)	20	1608290000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1594320000	
3	10.00	(0.394)	100	1594330000	
4	15.00	(0.591)	100	1608310000	
5	20.00	(0.787)	50	1759100000	
6	25.00	(0.984)	50	1608330000	
7	30.00	(1.181)	50	1844480000	
8	35.00	(1.378)	50	1608350000	
9	40.00	(1.575)	50	1753300000	
10	45.00	(1.772)	50	1608370000	
11	50.00	(1.969)	50	1844490000	
12	55.00	(2.165)	50	1608390000	
16	75.00	(2.953)	50	1608410000	
24	115.00	(4.528)	20	1608430000	

LP 5.08/180
LP 5.00/180

Accessories



Possible colors

Additional colours on request



Spacer + fixing block

See chapter accessories



Marking and function indicator

See chapter accessories



Fuse element and disconnection element

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

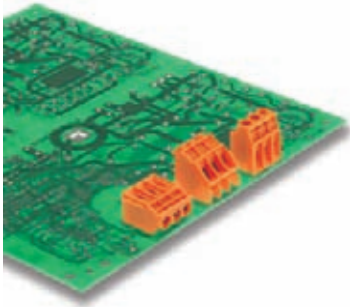
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1753810000	
3	10.16	(0.400)	100	1753820000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1761330000	
3	10.00	(0.394)	100	1761340000	

Clamping yoke connection for cross-sections up to 6 mm²

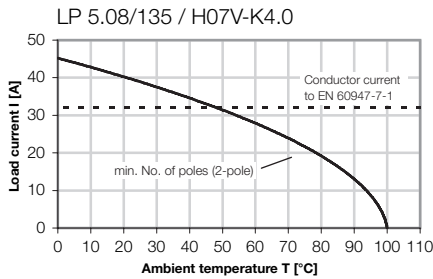
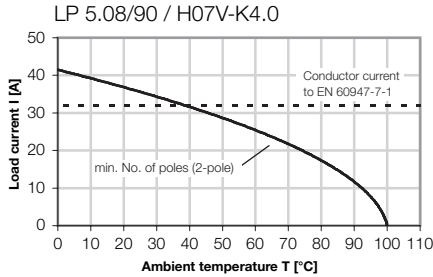
LP 5.08
LP 5.00



Test point, 32 A and 6 mm² conductor cross-section are feasible with this PCB terminal with proven clamping yoke connection at 5.00 and 5.08 mm pitch, conductor outlet direction 90° and 135°, with extensive auxiliary functions.

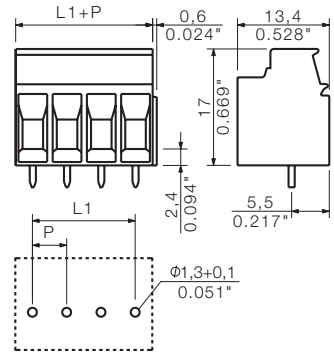
- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LPP 5.08/90
LPP 5.00/90

with test point



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2,5	
Ferrule with plastic collar	mm ²	0.5...2,5	
Stripping length	mm	6	
Screwdriver blade according to norm	mm	0.6 x 3.5	
Tightening torque range	Nm	0.5...0.6	
Rated current at ambient temperature			
	A	20°C	40°C
		32	32
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	250
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	20	10
AWG conductor		26-12	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor		26-12	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

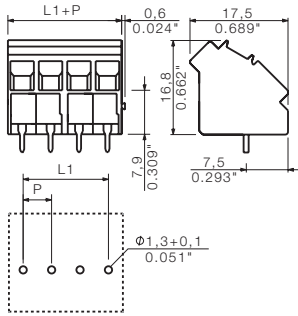
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length		3.2 mm		
Colour of plastic		orange		
Pitch 5.08 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	5.08 (0.200)	100	1594400000	
3	10.16 (0.400)	100	1594410000	
Pitch 5.00 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	5.00 (0.197)	100	1594340000	
3	10.00 (0.394)	100	1594350000	

LP 5.08/135
LP 5.00/135

with test point



Accessories

Possible colors

Additional colours on request



Spacer + fixing block

See chapter accessories



Marking and function indicator

See chapter accessories



Fuse element and disconnection element

See chapter accessories



Test plug

See chapter accessories



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

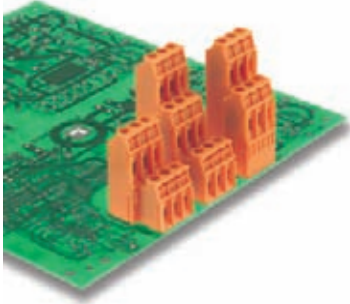
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1595730000	
3	10.16	(0.400)	100	1595690000	
4	15.24	(0.600)	100	1759210000	
5	20.32	(0.800)	50	1843150000	
6	25.40	(1.000)	50	1759360000	
7	30.48	(1.200)	50	1843160000	
8	35.56	(1.400)	50	1752940000	
9	40.64	(1.600)	50	1843170000	
10	45.72	(1.800)	50	1843180000	
11	50.80	(2.000)	50	1843190000	
12	55.88	(2.200)	50	1843200000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1595750000	
3	10.00	(0.394)	100	1595710000	
4	15.00	(0.591)	50	1791710000	
5	20.00	(0.787)	50	1843210000	
6	25.00	(0.984)	50	1843220000	
7	30.00	(1.181)	50	1843230000	
8	35.00	(1.378)	50	1843240000	
9	40.00	(1.575)	50	1843250000	
10	45.00	(1.772)	50	1843260000	
11	50.00	(1.969)	50	1843270000	
12	55.00	(2.165)	50	1843280000	

Clamping yoke connection for cross-sections up to 6 mm²

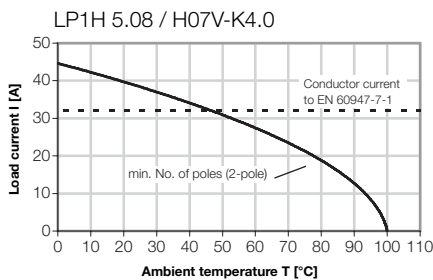
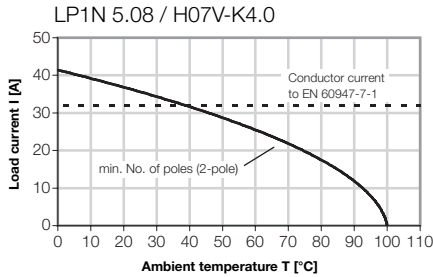
LP 5.08 multi level
LP 5.00 multi level



Modular multi level PCB terminal with proven clamping yoke connection at 5.08 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 6.0 mm².

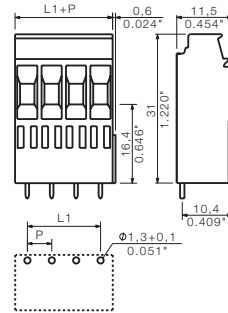
- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LP1N 5.08
LP1N 5.00

Single row, middle



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade according to norm	mm	0.6 x 3.5	
Tightening torque range	Nm	DIN 5264 0.5...0.6	

Rated current

at ambient temperature		20°C	40°C
LP1N 5.08	A	32	32
LP1H 5.08	A	32	32

Overvoltage category

		III	III	II
Pollution severity		3	2	2

Rated voltage	V	250	250	500
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
Rated voltage	V	300	300	300
Rated current	A	20	10	10
AWG conductor		26-12		

CSA C22.2 rated data

		B	C	D
Rated voltage	V	300	300	300
Rated current	A	20	10	10
AWG conductor		26-12		

Material data

Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		Cu alloy
Material of contact surface		tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

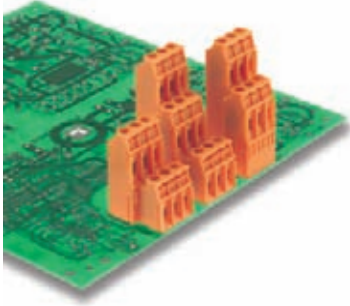
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1640830000	
3	10.16	(0.400)	100	1640840000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1640870000	
3	10.00	(0.394)	100	1640880000	

Clamping yoke connection for cross-sections up to 6 mm²

LP 5.08 multi level
LP 5.00 multi level



Multi level PCB terminal with proven clamping yoke connection in 5.08 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 6.0 mm².

- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	

Rated current

at ambient temperature		20°C	40°C
LP2N 5.08	A	32	32
LP2HR 5.08	A	32	32
LP3R 5.08	A	32	30

Overvoltage category

Pollution severity

	III	III	II	
Rated voltage	V	250	250	500
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

	B	C	D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor		26-12	

CSA C22.2 rated data

	B	C	D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor		26-12	

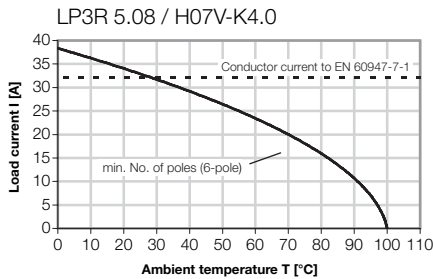
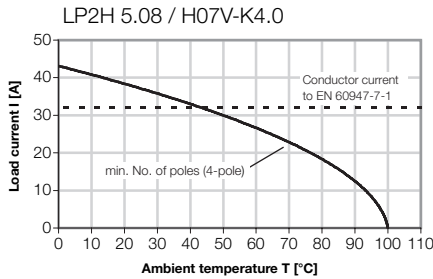
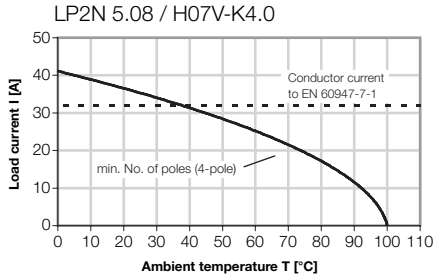
Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	Cu alloy
Material of contact surface	tinned

Information

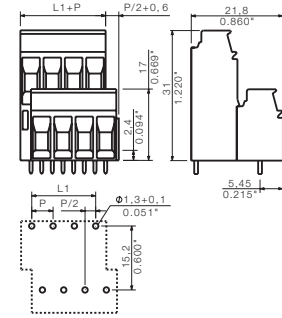
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LP2N 5.08
LP2N 5.00

Double level row



Ordering data

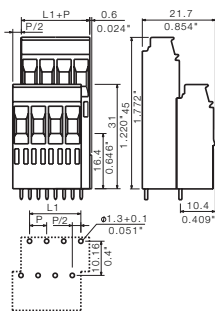
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1635140000	
6	10.16	(0.400)	50	1625540000	
8	15.24	(0.600)	50	1596460000	
10	20.32	(0.800)	50	1596510000	
12	25.40	(1.000)	50	1844510000	
14	30.48	(1.200)	50	1844520000	
16	35.56	(1.400)	20	1596530000	
18	40.64	(1.600)	20	1844530000	
20	45.72	(1.800)	20	1596570000	
22	50.80	(2.000)	20	1844540000	
24	55.88	(2.200)	10	1596610000	
26	60.96	(2.400)	10	1844550000	
28	66.04	(2.600)	10	1844560000	
30	71.12	(2.800)	10	1596650000	
32	76.20	(3.000)	10	1844570000	
34	81.28	(3.200)	10	1844580000	
36	86.36	(3.400)	10	1844590000	
38	91.44	(3.600)	10	1844600000	
40	96.52	(3.800)	10	1844610000	
42	101.60	(4.000)	10	1844620000	
44	106.68	(4.200)	10	1844630000	
46	111.76	(4.400)	10	1844640000	
48	116.84	(4.600)	10	1844650000	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	50	1635160000	
6	10.00	(0.394)	50	1625560000	
8	15.00	(0.591)	50	1596450000	
10	20.00	(0.787)	50	1596490000	
16	35.00	(1.378)	20	1596550000	
20	45.00	(1.772)	20	1596590000	
24	55.00	(2.165)	10	1596630000	
30	70.00	(2.756)	10	1596670000	

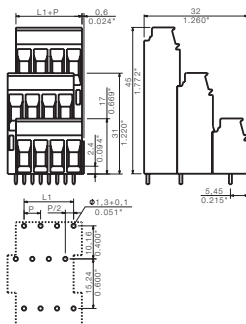
LP2HR 5.08

Double level row high



LP3R 5.08

Triple level



Accessories

Possible colors

Additional colours on request



Marking system

See chapter accessories



Marking and function indicator

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1636210000	
6	10.16	(0.400)	50	1636220000	
8	15.24	(0.600)	50	1636230000	
10	20.32	(0.800)	50	1636240000	
12	25.40	(1.000)	20	1844660000	
14	30.48	(1.200)	20	1844670000	
16	35.56	(1.400)	20	1636250000	
18	40.64	(1.600)	20	1844680000	
20	45.72	(1.800)	20	1636260000	
22	50.80	(2.000)	20	1613260000	
24	55.88	(2.200)	10	1636270000	
26	60.96	(2.400)	10	1844690000	
28	66.04	(2.600)	10	1844700000	
30	71.12	(2.800)	10	1636280000	
32	76.20	(3.000)	10	1844710000	
34	81.28	(3.200)	10	1844720000	
36	86.36	(3.400)	10	1844730000	
38	91.44	(3.600)	10	1844740000	
40	96.52	(3.800)	10	1844750000	
42	101.60	(4.000)	10	1844760000	
44	106.68	(4.200)	10	1844770000	
46	111.76	(4.400)	10	1844780000	
48	116.84	(4.600)	10	1646480000	

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
6	5.08	(0.200)	50	1653930000	
9	10.16	(0.400)	50	1596320000	
12	15.24	(0.600)	50	1596340000	
15	20.32	(0.800)	25	1596360000	
18	25.40	(1.000)	25	1596380000	
21	30.48	(1.200)	20	1844790000	
24	35.56	(1.400)	20	1596400000	
27	40.64	(1.600)	10	1844800000	
30	45.72	(1.800)	10	1596420000	
33	50.80	(2.000)	10	1844810000	
36	55.88	(2.200)	10	1844820000	
39	60.96	(2.400)	10	1844830000	
42	66.04	(2.600)	10	1844840000	
45	71.12	(2.800)	10	1844850000	
48	76.20	(3.000)	10	1844860000	
51	81.28	(3.200)	10	1844870000	
54	86.36	(3.400)	10	1844880000	
57	91.44	(3.600)	5	1844890000	
60	96.52	(3.800)	5	1844900000	
63	101.60	(4.000)	5	1844910000	
66	106.68	(4.200)	5	1844920000	
69	111.76	(4.400)	5	1844930000	
72	116.84	(4.600)	5	1844940000	

Clamping yoke connection for cross-sections up to 6 mm²

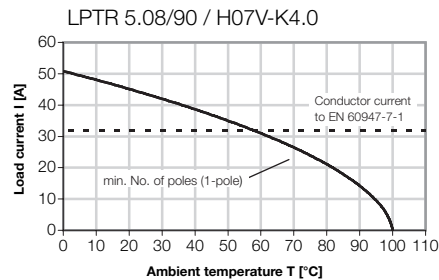
LP 5.08 disconnect elements



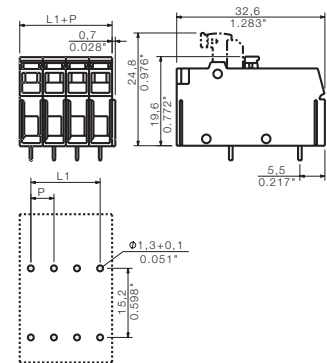
Disconnect element with test point, PCB terminal with proven clamping yoke connection at 5.08 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 6.0 mm².

- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 15 A (UL)

Derating curve



LPTR 5.08



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6
Solid H05(07) V-U	mm ²	0.5...6
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.5...0.6

Rated current

at ambient temperature		20°C	40°C
A		32	32

Overvoltage category

Pollution severity	III	III	II
	3	2	2

Rated voltage	V	250	250	500
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

CSA C22.2 rated data

	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

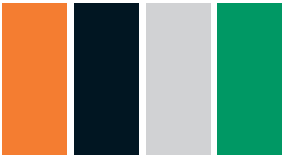
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
1	0.00	(0.000)	100	1755180000	

Accessories

Possible colors

Additional colours on request



Marking system

See chapter accessories



Test plug

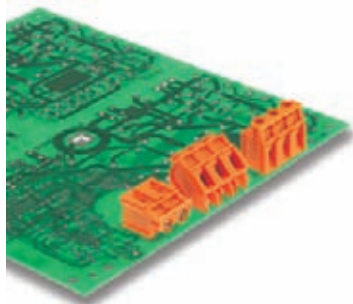
See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000

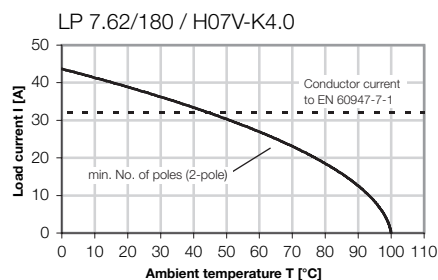
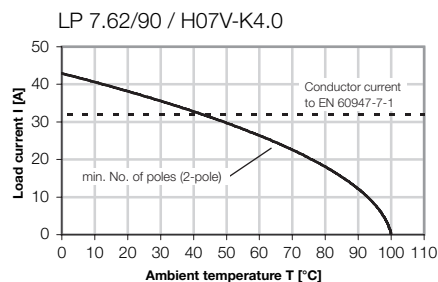
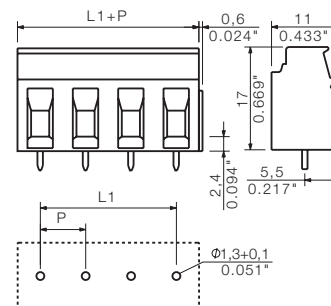


Clamping yoke connection for cross-sections up to 6 mm²LPP 7.62
LPP 7.50

This PCB terminal provides connections for 1000 V, 32 A and 6 mm² conductor cross-section with established clamping yoke connection at 7.50 and 7.62 mm pitch, conductor outlet direction in 90° and 180° design

- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve

LP 7.62/90
LP 7.50/90

Technical data

Rated data to IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.13...6
Solid H05(07) V-U	mm ²	0.5...6
Stranded H07 V-R	mm ²	...6
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	6
Screwdriver blade according to norm	mm	0.6 x 3.5
Tightening torque range	Nm	DIN 5264 0.5...0.6
Rated current at ambient temperature		
	A	20°C 40°C 32 32
Overvoltage category		
		III III II
Pollution severity		
		3 2 2
Rated voltage	V	500 500 1000
Rated impulse voltage	kV	6 6 6
UL 1059 rated data		
		B C D
Nominal voltage	V	300 300
Rated current	A	20 10
AWG conductor		26-12
@ CSA C22.2 rated data		
		B C D
Rated voltage	V	300 300
Rated current	A	20 10
AWG conductor		26-12
Material data		
Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		Cu alloy
Material of contact surface		tinned
Information		

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

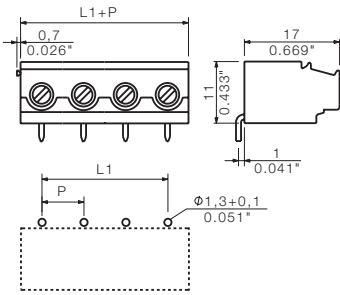
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1594460000	
3	15.24	(0.600)	100	1594470000	

Pitch 7.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1594420000	
3	15.00	(0.591)	100	1594430000	

LP 7.62/180
LP 7.50/180

Accessories



Possible colors

Additional colours on request



Marking system

See chapter accessories



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1753890000	
3	15.24	(0.600)	100	1753900000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1761370000	
3	15.00	(0.591)	100	1761380000	

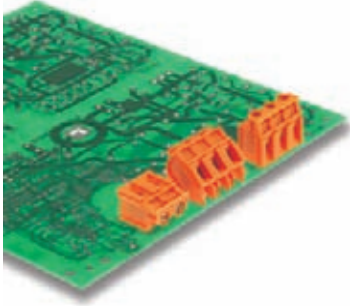
Screwdriver

See chapter accessories
Order No. 9008390000



Clamping yoke connection for cross-sections up to 6 mm²

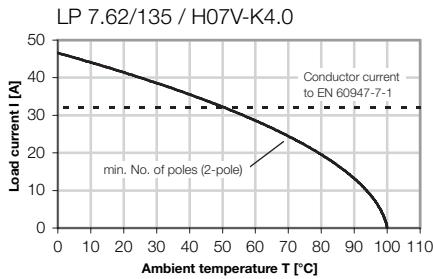
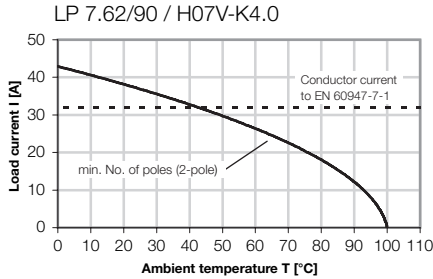
LPP 7.62
LPP 7.50



Test point, 1000 V, 32 A and 6 mm² conductor cross-section are feasible with this PCB terminal with proven clamping yoke connection at 7.50 and 7.62 mm pitch, conductor outlet direction 135°.

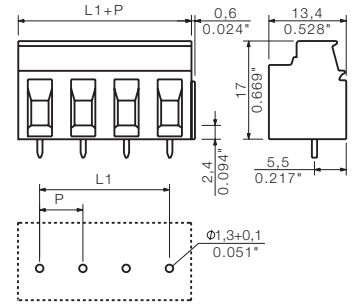
- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LPP 7.62/90
LPP 7.50/90

with test point



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²	...6	
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	

Rated current at ambient temperature		20°C	40°C
	A	32	32

Overvoltage category		III	III	II
Pollution severity		3	2	2

Rated voltage	V	500	500	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data		B	C	D
Nominal voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

CSA C22.2 rated data		B	C	D
Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

Material data		
Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		Cu alloy
Material of contact surface		tinned

- Information**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228 pt 1
 - Wire end ferrule with plastic collar to DIN 46228 pt 4
 - P on drg. = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

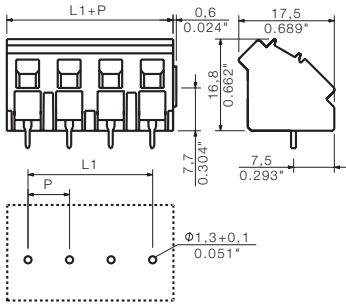
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1594480000	
3	15.24	(0.600)	100	1594490000	

Pitch 7.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1594440000	
3	15.00	(0.591)	100	1594450000	

LPP 7.62/135
LPP 7.50/135

with test point



Accessories

Possible colors

Additional colours on request



Marking system

See chapter accessories



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1595790000	
3	15.24	(0.600)	100	1595830000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1595770000	
3	15.00	(0.591)	100	1595810000	

Test plug

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000



Clamping yoke connection for cross-sections up to 6 mm²

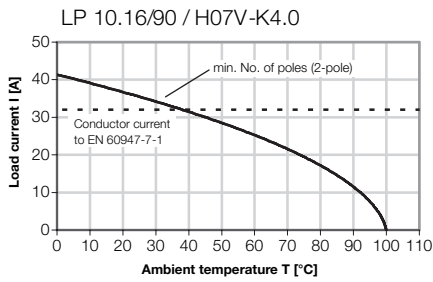
LP 10.16
LP 10.00



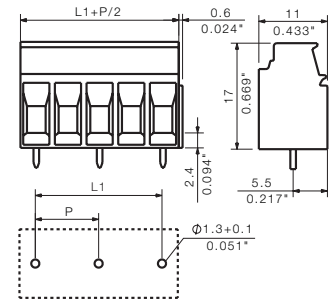
PCB terminal with proven clamping yoke connection in 10 and 10.16 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 6.0 mm².

- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LP 10.16/90
LP 10.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2,5	
Ferrule with plastic collar	mm ²	0.5...2,5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	

Rated current at ambient temperature

		20°C	40°C
A		32	32

Overvoltage category

		III	III	II
--	--	-----	-----	----

Pollution severity

		3	2	2
--	--	---	---	---

Rated voltage	V	630	1000	1000
Rated impulse voltage	kV	8	8	8

UL 1059 rated data

		B	C	D
--	--	---	---	---

Nominal voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

CSA C22.2 rated data

		B	C	D
--	--	---	---	---

Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		

Material data

Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		Cu alloy
Material of contact surface		tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
-------------------	--------

Colour of plastic	orange
-------------------	--------

Pitch 10.16 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.16	(0.400)	100	1845010000	
3	20.32	(0.800)	50	1845020000	
4	30.48	(1.200)	50	1845030000	

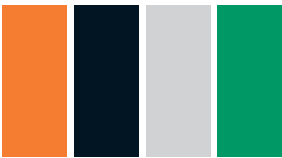
Pitch 10.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.00	(0.394)	100	1693650000	
3	20.00	(0.787)	50	1693660000	
4	30.00	(1.181)	50	1692700000	

Accessories

Possible colors

Additional colours on request



Marking system

See chapter accessories



Marking and function indicator

See chapter accessories



Fuse element and disconnection element

See chapter accessories



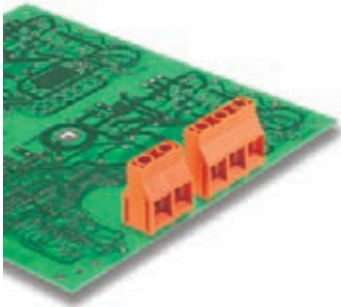
Screwdriver

See chapter accessories
Order No. 9008390000



Clamping yoke connection for cross-sections up to 6 mm²

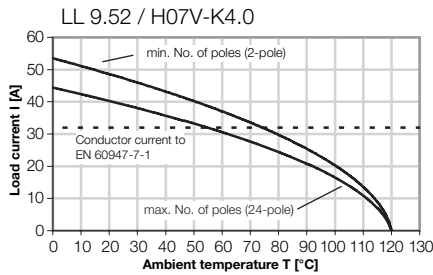
LL 9.52



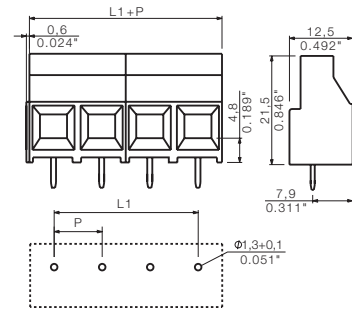
This PCB terminal provides connections for 1000 V, 32 A and 6 mm² conductor cross-section with established clamping yoke connection at 9.52 mm pitch, conductor outlet direction in 90° design.

- 0.18 - 6.0 mm² (IEC) / 26 - 10 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 30 A (UL)

Derating curve

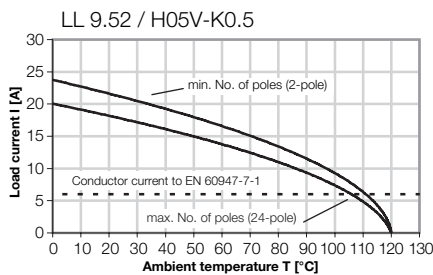


LL 9.52/90



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.18...6	
Solid H05(07) V-U	mm ²	0.18...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.22...4	
Flexible with ferrule	mm ²	0.5...2,5	
Ferrule with plastic collar	mm ²	0.5...2,5	
Stripping length	mm	7	
Screwdriver blade	mm	0.8 x 4.0	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current at ambient temperature			
	A	20°C	40°C
		32	32
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	690	1000
Rated impulse voltage	kV	8	8
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	30	30
AWG conductor		26-10	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	30	35
AWG conductor		26-10	
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	



Ordering data

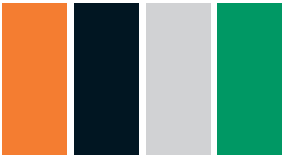
Solder pin length	5.0 mm
Colour of plastic	orange

Pitch 9.52 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	9.52	(0.375)	100	1724680000
3	19.04	(0.750)	100	1724690000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories

Order No. 99008400000, Order No. 9008530000



Clamping yoke connection for cross-sections up to 6 mm²

LL2N 9.52



Multi level PCB terminal with proven clamping yoke connection in 9.52 mm pitch. Conductor outlet direction 90°. 1000 V and 6 mm² conductor cross-section for 32 A.

- 0.18 - 6.0 mm² (IEC) / 26 - 10 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 30 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.18...6	
Solid H05(07) V-U	mm ²	0.18...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.22...4	
Flexible with ferrule	mm ²	0.5...2,5	
Ferrule with plastic collar	mm ²	0.5...2,5	
Stripping length	mm	7	
Screwdriver blade	mm	0.8 x 4.0	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	

Rated current at ambient temperature

	20°C	40°C
A	32	32

Overvoltage category

III	III	II
-----	-----	----

Pollution severity

3	2	2
---	---	---

Rated voltage	V	690	690	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data

	B	C	D
--	---	---	---

Nominal voltage	V	300	300
Rated current	A	30	30
AWG conductor		26-10	

CSA C22.2 rated data

	B	C	D
--	---	---	---

Rated voltage	V	300	300
Rated current	A	30	30
AWG conductor		26-10	

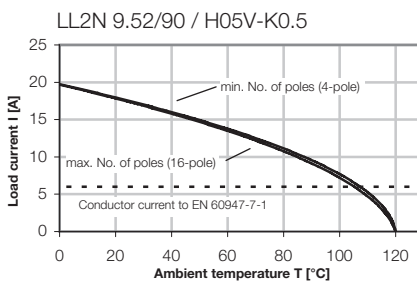
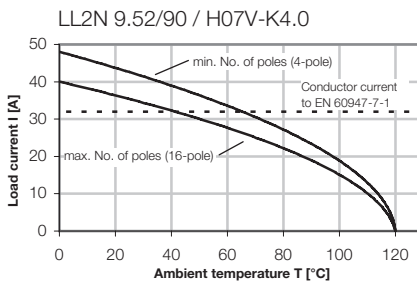
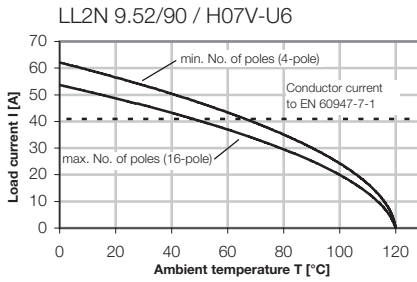
Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

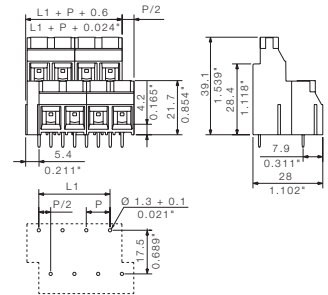
Information

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LL2N 9.52/90



Ordering data

Solder pin length	5.0 mm
Colour of plastic	orange

Pitch 9.52 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	9.52	(3.750)	100		1926350000
8	28.56	(11.250)	100		1926360000
12	47.60	(18.750)	100		1926370000
16	66.64	(26.250)	100		1926380000
20	85.68	(33.750)	100		1926390000
24	104.72	(41.250)	100		1926400000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories

Order No. 99008400000, Order No. 9008530000



Clamping yoke connection for cross-sections up to 10 mm²

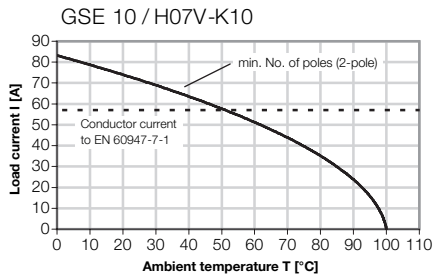
GSE 10



Low-profile PCB terminal for 10 mm² conductor cross-section and 57 A, with proven clamping yoke connection at 10 mm pitch, conductor outlet direction 180°.

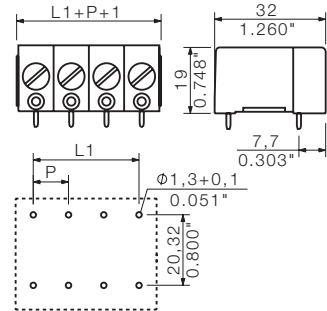
- 0.5 - 10.0 mm² (IEC) / 26 - 8 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 57 A (IEC) / 40 A (UL)

Derating curve



GSE 10/180

with test point



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...11	
Solid H05(07) V-U	mm ²	0.5...10	
Stranded H07 V-R	mm ²	6...10	
Flexible H05(07) V-K	mm ²	0.5...10	
Flexible with ferrule	mm ²	0.75...4	
Ferrule with plastic collar	mm ²	0.75...4	
Stripping length	mm	10	
Screwdriver blade	mm	1.0 x 5.5	
according to norm		DIN 5264	
Tightening torque range	Nm	1.2...1.2	

Rated current

at ambient temperature		20°C	40°C
A		57	57

Overvoltage category

	III	III	II
--	-----	-----	----

Pollution severity

	3	2	2
--	---	---	---

Rated voltage	V	400	500	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data

		B	C	D
--	--	---	---	---

Nominal voltage	V	300	150	300
Rated current	A	40	40	10
AWG conductor		26-8		

CSA C22.2 rated data

		B	C	D
--	--	---	---	---

Rated voltage	V	300	300
Rated current	A	40	10
AWG conductor		26-8	

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	E-Cu
Material of contact surface	tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	4.5 mm
Colour of plastic	grey

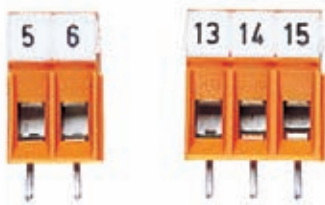
Pitch 10.16 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
1	0.00	(0.000)	50		0478700000
2	10.16	(0.400)	20		9954140000
3	20.32	(0.800)	20		0478900000
4	30.48	(1.200)	20		1610220000
5	40.64	(1.600)	20		1761410000
6	50.80	(2.000)	20		9954160000
7	60.96	(2.400)	20		9958370000
8	71.12	(2.800)	20		9954170000
9	81.28	(3.200)	20		9958380000
10	91.44	(3.600)	20		9954180000

Accessories

Marking system

See chapter accessories



Test plug

See chapter accessories



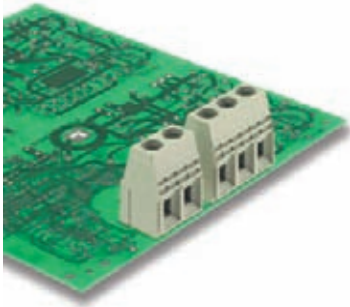
Screwdriver

See chapter accessories
Order No. 9008410000



Clamping yoke connection for cross-sections up to 16 mm²

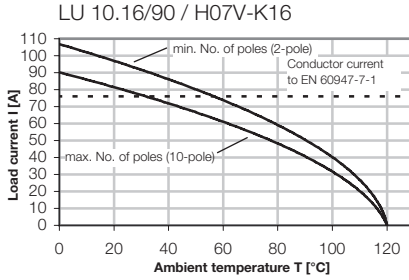
LU 10.16



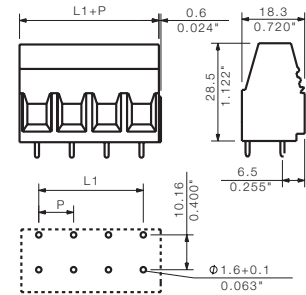
This PCB terminal provides connections for 76 A and 16 mm² conductor cross-section with established clamping yoke connection at 10.16 mm pitch, conductor outlet direction in 90° design

- 0.5 - 16.0 mm² (IEC) / 26 - 6 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 76 A (IEC) / 65 A (UL)

Derating curve



LU 10.16/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.14...16	
Solid H05(07) V-U	mm ²	0.5...16	
Stranded H07 V-R	mm ²	6...16	
Flexible H05(07) V-K	mm ²	0.5...16	
Flexible with ferrule	mm ²	2.5...10	
Ferrule with plastic collar	mm ²	2.5...10	
Stripping length	mm	12	
Screwdriver blade	mm	1.0 x 5.5	
according to norm		DIN 5264	
Tightening torque range	Nm	1.2...1.5	

Rated current at ambient temperature

		20°C	40°C
	A	76	76

Overvoltage category

		III	III	II
--	--	-----	-----	----

Pollution severity

		3	2	2
--	--	---	---	---

Rated voltage	V	690	690	1000
Rated impulse voltage	kV	6	6	4

UL 1059 rated data

		B	C	D
--	--	---	---	---

Nominal voltage	V	300	150	300
Rated current	A	65	65	10
AWG conductor		26-6		

CSA C22.2 rated data

		B	C	D
--	--	---	---	---

Rated voltage	V	300	150	300
Rated current	A	65	65	10
AWG conductor		22-6		

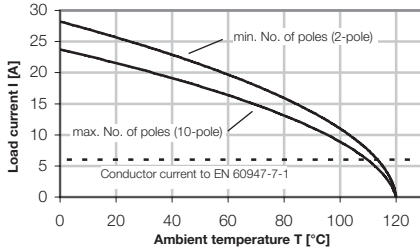
Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	E-Cu
Material of contact surface	tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LU 10.16/90 / H05V-K0.5



Ordering data

Solder pin length	4.5 mm
Colour of plastic	grey

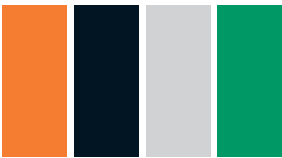
Pitch 10.16 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.16	(0.400)	20		1648310000
3	20.32	(0.800)	20		1648300000
4	30.48	(1.200)	20		9956390000
5	40.64	(1.600)	20		9956400000
6	50.80	(2.000)	20		9956410000
7	60.96	(2.400)	20		9956420000
8	71.12	(2.800)	20		9956430000
9	81.28	(3.200)	20		9956440000
10	91.44	(3.600)	20		9956450000

Accessories

Possible colors

Additional colours on request



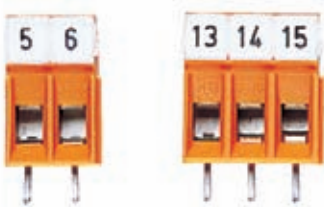
Marking strips

See chapter accessories



Marking system

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008410000



PCB Terminals

B

Clamping yoke connection for cross-sections up to 16 mm²

LUP 10.16

Derating curve

LUP 10.16/90

This PCB terminal provides connections for 1000 V, test point, 76 A and 16 mm² conductor cross-section with established clamping yoke connection at 10.16 mm pitch, conductor outlet direction in 90° design

- 0.5 - 16.0 mm² (IEC) / 26 - 6 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 76 A (IEC) / 58 A (UL)

LUP 10.16/90 / H07V-K16

with test point

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...16	
Solid H05(07) V-U	mm ²	0.5...16	
Stranded H07 V-R	mm ²	6...16	
Flexible H05(07) V-K	mm ²	0.5...16	
Flexible with ferrule	mm ²	2.5...10	
Ferrule with plastic collar	mm ²	2.5...10	
Stripping length	mm	12	
Screwdriver blade	mm	1.0 x 5.5	
according to norm		DIN 5264	
Tightening torque range	Nm	1.2...1.5	
Rated current at ambient temperature			
	A	20°C	40°C
		76	72
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	800	1000
Rated impulse voltage	kV	8	8
		6	6
UL 1059 rated data			
		B	C
		D	
Nominal voltage	V	300	300
Rated current	A	58	58
AWG conductor		26-6	
CSA C22.2 rated data			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	58	58
AWG conductor		22-6	
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

LUP 10.16/90 / H05V-K0.5

Ordering data

Solder pin length	3.2 mm
Colour of plastic	grey

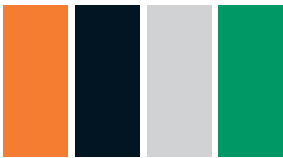
Pitch 10.16 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	10.16	(0.400)	20	1839270000
3	20.32	(0.800)	20	1839280000
4	30.48	(1.200)	20	1839290000
5	40.64	(1.600)	20	1839300000
6	50.80	(2.000)	20	1839310000
7	60.96	(2.400)	20	1839320000
8	71.12	(2.800)	20	1839330000
9	81.28	(3.200)	20	1839340000

B.38 Weidmüller

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Marking system

See chapter accessories



Test plug

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008410000



PCB Terminals

B

Clamping yoke connection for cross-sections up to 16 mm²

LUP 12.7

Derating curve

LUP 12.7/90

This PCB terminal provides connections for 1000 V, 76 A and 16 mm² conductor cross-section with established clamping yoke connection at 12.7 mm pitch, conductor outlet direction in 90° design

- 0.5 - 16.0 mm² (IEC) / 26 - 6 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 76 A (IEC) / 58 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...16	
Solid H05(07) V-U	mm ²	0.5...16	
Stranded H07 V-R	mm ²	6...16	
Flexible H05(07) V-K	mm ²	0.5...16	
Flexible with ferrule	mm ²	2.5...10	
Ferrule with plastic collar	mm ²	2.5...10	
Stripping length	mm	12	
Screwdriver blade	mm	1.0 x 5.5	
according to norm		DIN 5264	
Tightening torque range	Nm	1.2...1.5	
Rated current at ambient temperature			
	A	20°C	40°C
		76	76
Overvoltage category			
		III	III
Pollution severity			
		3	2
		3	2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	8	8
		6	6
UL 1059 rated data			
		B	C
Nominal voltage	V	600	600
Rated current	A	58	58
AWG conductor		26-6	5
CSA C22.2 rated data			
		B	C
Rated voltage	V	600	600
Rated current	A	58	58
AWG conductor		22-6	5
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

with test point

Ordering data

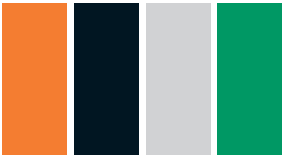
Solder pin length	3.2 mm				
Colour of plastic	grey				
Pitch 12.70 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	12.70	(0.500)	20		1839180000
3	25.40	(1.000)	20		1839190000
4	38.10	(1.500)	20		1839200000
5	50.80	(2.000)	20		1839210000
6	63.50	(2.500)	20		1839220000
7	76.20	(3.000)	20		1839230000
8	88.90	(3.500)	20		1839240000
9	101.60	(4.000)	20		1839250000

B.40 Weidmüller

Accessories

Possible colors

Additional colours on request



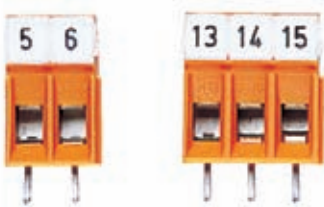
Marking strips

See chapter accessories



Marking system

See chapter accessories



Test plug

See chapter accessories



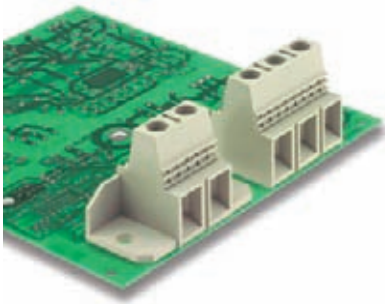
Screwdriver

See chapter accessories
Order No. 9008410000



Clamping yoke connection for cross-sections up to 25 mm²

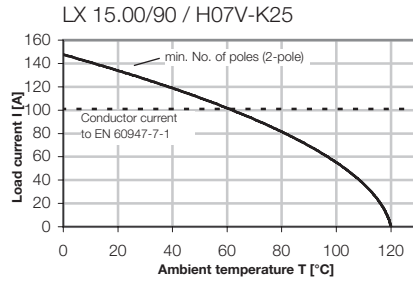
LX 15.00



Power, 101 A, 1000 V and 25 mm² conductor cross-section are feasible with this heavy-duty PCB terminal with proven clamping yoke connection at 15.00 mm pitch, conductor outlet direction 90°, test point.

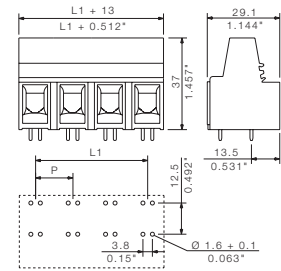
- 1.5 - 25 mm² (IEC) / 16 - 4 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 101 A (IEC) / 85 A (UL)

Derating curve



LX 15.00/90

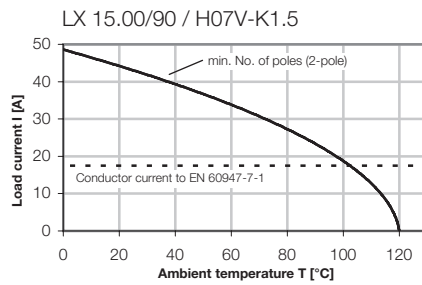
with test point



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	1.31...25	
Solid H05(07) V-U	mm ²	1.5...16	
Stranded H07 V-R	mm ²	6...25	
Flexible H05(07) V-K	mm ²	1.5...25	
Flexible with ferrule	mm ²	1.5...16	
Ferrule with plastic collar	mm ²	1.5...16	
Stripping length	mm	16	
Screwdriver blade	mm	1.0 x 5.5	
Tightening torque range	Nm	according to norm 2...4	
Rated current at ambient temperature			
	A	20°C	40°C
		101	101
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	8	8
		6	6
UL 1059 rated data			
		B	C
Nominal voltage	V	600	600
Rated current	A	85	85
AWG conductor		16-4	5
CSA C22.2 rated data			
		B	C
Rated voltage	V	600	600
Rated current	A	85	85
AWG conductor		16-4	5
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-1	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



Ordering data

Solder pin length	4.5 mm
Colour of plastic	grey

Pitch 15.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
1	0.00	(0.000)	20		1783660000
2	15.00	(0.591)	20		1783670000
3	30.00	(1.181)	20		1783680000
4	45.00	(1.772)	20		1783690000
5	60.00	(2.362)	20		1806460000
6	75.00	(2.953)	10		1809870000
7	90.00	(3.543)	10		1919100000
8	105.00	(4.134)	10		1809880000

Accessories

Notes

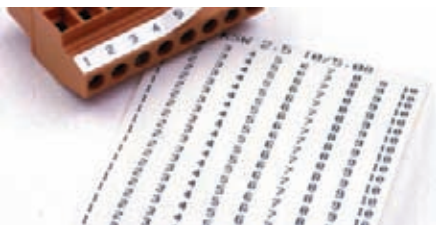
Possible colors

Additional colours on request



Marking strips

See chapter accessories



Marking system

See chapter accessories



Test plug

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008410000



LX 15.00

The PCB connection terminal for 25 mm² (AWG 4) enables PCB connections for 101 A (IEC) or 85 A (UL). The spacing of 15.00 mm enables operation in systems up to 1000 V (IEC) or 600 V (UL 1059 groups B and C).

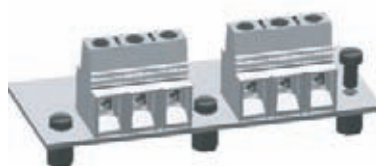
Notes on installation:

When connecting conductors with a cross-section of up to 25 mm² / AWG 4, the torque can exert considerable forces on the PCB. In order to accommodate such forces, Weidmüller has devised a version with a flange fixing in addition to the standard model. If required, the PCB connection terminals can be screwed to the PCB or the enclosure via the flanges.

Here are two examples to show how this works:

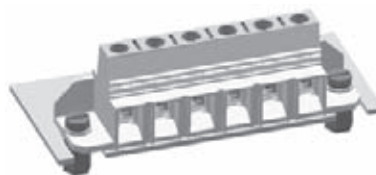
Example 1 - LX 15.00 without fixing flanges.

In the vicinity of the LX 15.00 the PCB is supported on posts which are screwed to the PCB and affixed to the device enclosure.



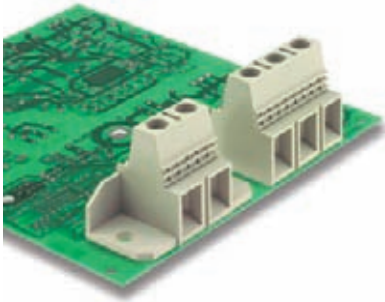
Example 2 - LX 15.00 with fixing flanges.

Slits are cut in the PCB at the positions of the LX 15.00 fixing flanges. The flanges are subsequently screwed to the PCB or the device enclosure using screws and posts.



Clamping yoke connection for cross-sections up to 25 mm²

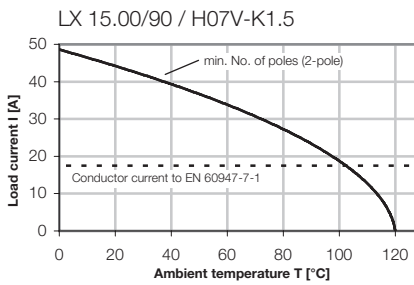
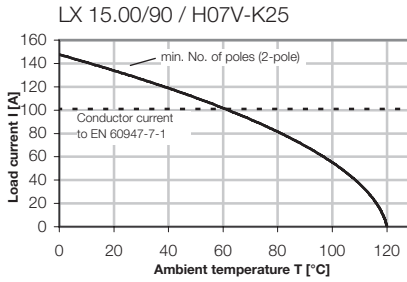
LX 15.00



Fitted with flange for accommodating forces and fixing to PCB. 101 A, 1000 V and 25 mm² conductor cross-section are possible with this PCB terminal. Proven clamping yoke connection at 15.00 mm pitch, conductor outlet direction 90°, test pick-off

- 1.5 - 25 mm² (IEC) / 16 - 4 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 101 A (IEC) / 85 A (UL)

Derating curve



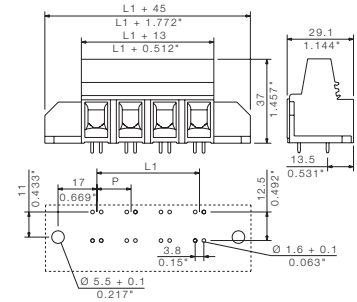
Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	1.31...25	
Solid H05(07) V-U	mm ²	1.5...16	
Stranded H07 V-R	mm ²	6...25	
Flexible H05(07) V-K	mm ²	1.5...25	
Flexible with ferrule	mm ²	1.5...16	
Ferrule with plastic collar	mm ²	1.5...16	
Stripping length	mm	16	
Screwdriver blade	mm	1.0 x 5.5	
according to norm		DIN 5264	
Tightening torque range	Nm	2...4	
Rated current at ambient temperature			
	A	20°C	40°C
		101	101
Overvoltage category			
		III	III
Pollution severity			
		3	2
		3	2
Rated voltage	V	1000	1000
Rated impulse voltage	kV	8	8
		8	6
UL 1059 rated data			
		B	C
Nominal voltage	V	600	600
Rated current	A	85	85
AWG conductor			16-4
@ CSA C22.2 rated data			
		B	C
Rated voltage	V	600	600
Rated current	A	85	85
AWG conductor			16-4
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-1	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LXB 15.00/90

with fixing flange and test point



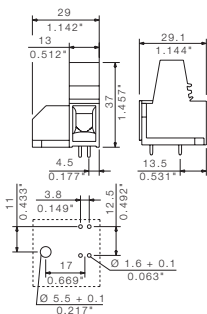
Ordering data

Solder pin length	4.5 mm
Colour of plastic	grey

Pitch 15.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	15.00	(0.591)	20		1783710000
3	30.00	(1.181)	20		1783720000
4	45.00	(1.772)	20		1783730000
5	60.00	(2.362)	20		1806470000
6	75.00	(2.953)	10		1783740000
7	90.00	(3.543)	10		1925720000
8	105.00	(4.134)	10		1783750000

LXBL 15.00/1/90

with fixing flange and test point



Ordering data

Solder pin length	4.5 mm
Colour of plastic	grey

Pitch 15.00 mm

Poles	L	1 mm	(inch)	Qty.	Order No.	Order No.
1	0.00	(0.000)	20			1783700000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Marking system

See chapter accessories



Test plug

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008410000



Notes

LX 15.00

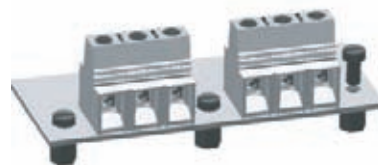
The PCB connection terminal for 25 mm² (AWG 4) enables PCB connections for 101 A (IEC) or 85 A (UL). The spacing of 15.00 mm enables operation in systems up to 1000 V (IEC) or 600 V (UL 1059 groups B and C).

Notes on installation:

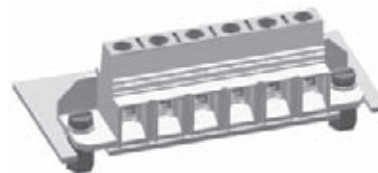
When connecting conductors with a cross-section of up to 25 mm² / AWG 4, the torque can exert considerable forces on the PCB. In order to accommodate such forces, Weidmüller has devised a version with a flange fixing in addition to the standard model. If required, the PCB connection terminals can be screwed to the PCB or the enclosure via the flanges.

Here are two examples to show how this works:

Example 1 - LX 15.00 without fixing flanges. In the vicinity of the LX 15.00 the PCB is supported on posts which are screwed to the PCB and affixed to the device enclosure.

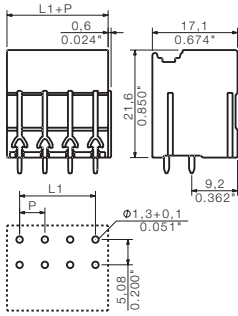


Example 2 - LX 15.00 with fixing flanges. Slits are cut in the PCB at the positions of the LX 15.00 fixing flanges. The flanges are subsequently screwed to the PCB or the device enclosure using screws and posts.



LPA TOP 1/180

Accessories



Possible colors

Additional colours on request



Marking system

See chapter accessories



Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1534860000	
3	10.16	(0.400)	100	1534960000	

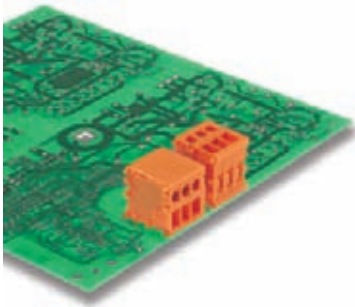
Screwdriver

See chapter accessories
Order No. 9008390000



TOP connection

TOP 1.5 GS - 5.08



Conductor entry and screw connection in the same direction on this PCB terminal with 5.08 mm pitch for conductor cross-sections up to 2.5 mm². Conductor outlet direction 90° and 180°.

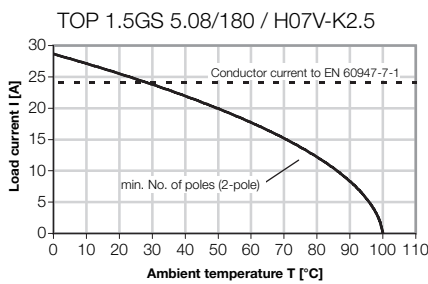
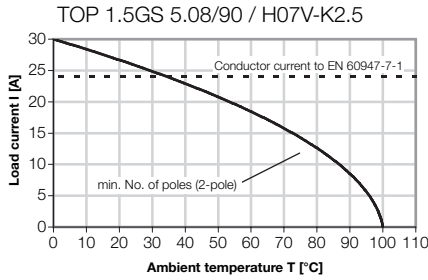
- 0.5 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

Technical data

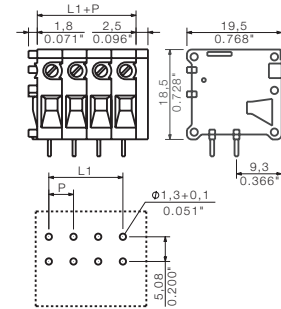
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current at ambient temperature			
	A	20°C	40°C
		24	21
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		CuZn	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



TOP 1.5GS/90-5.08

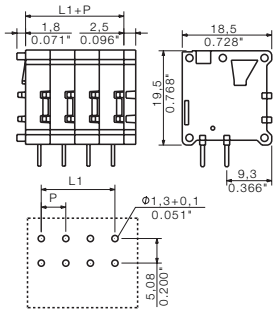


Ordering data

Solder pin length		3.5 mm			
Colour of plastic		orange			
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		0641960000
3	10.16	(0.400)	100		0642060000
4	15.24	(0.600)	50		0642160000
5	20.32	(0.800)	50		1578820000
6	25.40	(1.000)	50		0593860000
7	30.48	(1.200)	50		0593960000
8	35.56	(1.400)	50		0594060000
9	40.64	(1.600)	50		0594160000
10	45.72	(1.800)	50		0642260000
11	50.80	(2.000)	50		0594260000
12	55.88	(2.200)	50		0594360000
13	60.96	(2.400)	50		0594460000
14	66.04	(2.600)	50		0594560000
15	71.12	(2.800)	50		0594660000
16	76.20	(3.000)	20		0642360000
17	81.28	(3.200)	20		0594760000
18	86.36	(3.400)	20		1707040000
19	91.44	(3.600)	10		0594960000
20	96.52	(3.800)	10		0595060000
21	101.60	(4.000)	10		0595160000
22	106.68	(4.200)	10		0595260000
23	111.76	(4.400)	10		0595360000
24	116.84	(4.600)	10		0595460000

TOP 1.5GS/180-5.08

Accessories



Possible colors

Additional colours on request



Fixing block

See chapter accessories



Ordering data

Solder pin length	4.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		0569960000
3	10.16	(0.400)	100		0570160000
4	15.24	(0.600)	50		0570360000
5	20.32	(0.800)	50		0597360000
6	25.40	(1.000)	50		0597460000
7	30.48	(1.200)	50		1695700000
8	35.56	(1.400)	25		0597660000
9	40.64	(1.600)	20		1474660000
10	45.72	(1.800)	20		0570560000
11	50.80	(2.000)	20		1474760000
12	55.88	(2.200)	20		0597960000
13	60.96	(2.400)	20		1724740000
14	66.04	(2.600)	20		0598160000
15	71.12	(2.800)	20		1782490000
16	76.20	(3.000)	20		0570760000
17	81.28	(3.200)	20		0598360000
18	86.36	(3.400)	20		0598460000
19	91.44	(3.600)	20		0598560000
20	96.52	(3.800)	20		0598660000
21	101.60	(4.000)	10		0598760000
22	106.68	(4.200)	10		0598860000
23	111.76	(4.400)	10		0598960000
24	116.84	(4.600)	10		0599060000

Marking system

See chapter accessories



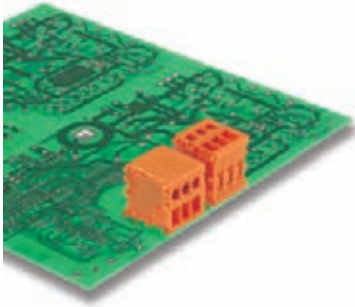
Screwdriver

See chapter accessories
Order No. 9008390000



TOP connection

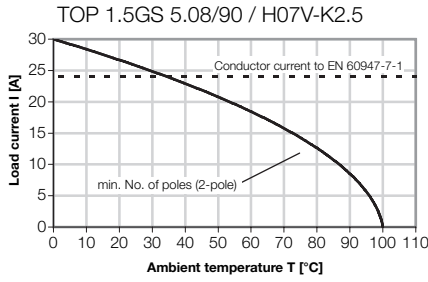
TOP 1.5GS 5.08 EX



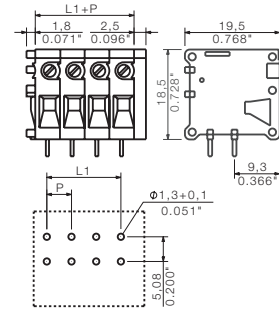
For potentially explosive areas, conductor entry and screw connection in one direction, PCB terminal in 5.08 mm pitch for conductor cross-sections up to 2.5 mm², conductor outlet direction 90° or 180°.

- 1.5 mm² / 14 AWG
- 176 V
- 12 A

Derating curve



TOP 1.5GS/90-5.08 Ex e



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	
Solid H05(07) V-U	mm ²	
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

Rated current at ambient temperature	20°C	40°C
	A	

Overvoltage category	III	III	II
Pollution severity	3	2	2

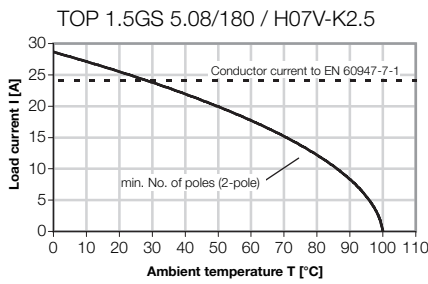
Rated voltage	V	176
Rated impulse voltage	kV	

Rated data Ex e - DEMKO 03 ATEX 134439 U		
Rated voltage	V	176
Rated current	A	12
Clamping range	mm ² /AWG	0.13...1.5 / 26...14

@ CSA C22.2 rated data		
Rated voltage	V	
Rated current	A	
AWG conductor		

Material data		
Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		CuZn
Material of contact surface		tinned

- Information**
- P on drg. = pitch
 - Service temperature range: see EC type examination certificate / IEC Ex-Certificate of Conformity
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



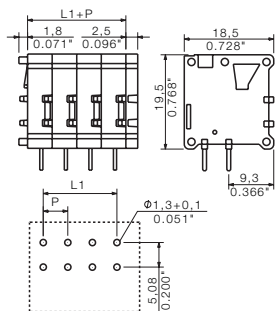
Ordering data

Solder pin length	3.5 mm				
Colour of plastic	orange				
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1850120000
3	10.16	(0.400)	100		1850130000
4	15.24	(0.600)	50		1850140000
5	20.32	(0.800)	50		1850150000
6	25.40	(1.000)	50		1850160000
7	30.48	(1.200)	50		1850170000
8	35.56	(1.400)	50		1850180000
9	40.64	(1.600)	50		1850190000
10	45.72	(1.800)	50		1850200000
11	50.80	(2.000)	50		1850210000
12	55.88	(2.200)	50		1850220000

TOP 1.5GS/180-5.08 Ex e

Accessories

Note



Ordering data

Solder pin length	4.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1850230000
3	10.16	(0.400)	100		1850240000
4	15.24	(0.600)	50		1850250000
5	20.32	(0.800)	50		1850260000
6	25.40	(1.000)	50		1850270000
7	30.48	(1.200)	50		1850280000
8	35.56	(1.400)	25		1850290000
9	40.64	(1.600)	20		1850300000
10	45.72	(1.800)	20		1850310000
11	50.80	(2.000)	20		1850320000
12	55.88	(2.200)	20		1850330000

Fixing block

See chapter accessories



Marking system

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000

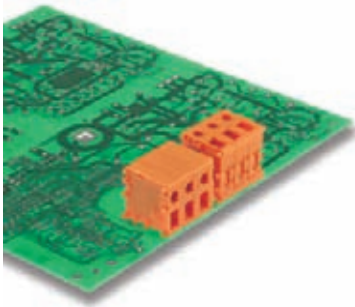


Ex e / ATEX

The old Explosive Atmospheres and Gassy Mines Directive 76/117/EEC was superseded by the new directive 94/9/EC, also known as ATEX 95 (ATEX: ATMosphere EXplosive = potentially explosive atmosphere), on 1 July 2003. Only the new directive is now valid, which is one of the so-called "New Approach" directives. It applies in all the countries of the European Union plus Iceland, Liechtenstein and Norway. In all these countries the directive applies to the sale and operation of products that have been specially developed for use in potentially explosive atmospheres in which gases, vapours, mists or dusts prevail. A new development is the inclusion of mining operations and purely mechanical devices. The ATEX directive had been in force since March 1996, but its use up until 30 June 2003 (transitional period) was optional and existing directives remained applicable as well. Since 1 July 2003 all new installations and equipment for use in potentially explosive areas must comply with the ATEX directive and be certified accordingly, however the previous breakdown into zones (Zone 0, 1 or 2) and classes of protection (e.g. "i": intrinsic safety, "e": increased safety) is still applicable.

TOP connection

TOP 1.5 GS - 7.62



Conductor entry and screw connection in the same direction on this PCB terminal with 7.62 mm pitch for conductor cross-sections up to 2.5 mm². Conductor outlet direction 90° and 180°.

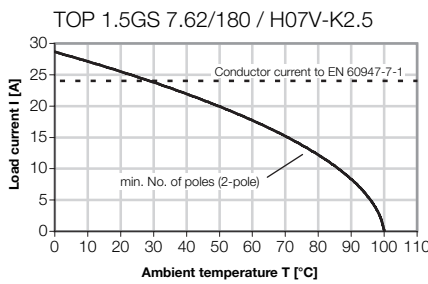
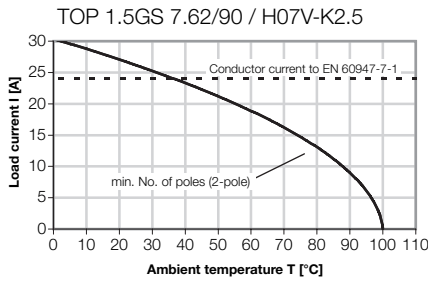
- 0.5 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

Technical data

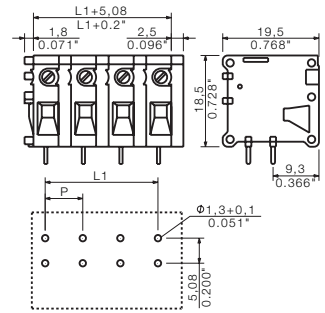
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current at ambient temperature			
	A	20°C	40°C
		24	21
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	400	630
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		CuZn	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



TOP 1.5GS/90-7.62

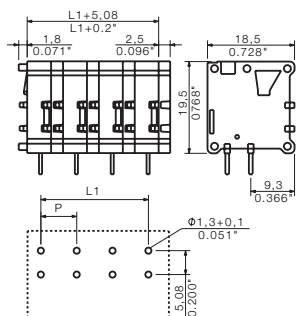


Ordering data

Solder pin length	3.5 mm			
Colour of plastic	orange			
Pitch 7.62 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	7.62	(0.300)	100	0393360000
3	15.24	(0.600)	100	0393460000
4	22.86	(0.900)	50	0393560000
5	30.48	(1.200)	25	0393660000
6	38.10	(1.500)	20	1683990000
7	45.72	(1.800)	20	1647310000
8	53.34	(2.100)	20	0642460000
9	60.96	(2.400)	20	0393960000
10	68.58	(2.700)	20	0642560000
11	76.20	(3.000)	20	0394060000
12	83.82	(3.300)	20	0394160000

TOP 1.5GS/180-7.62

Accessories



Possible colors

Additional colours on request



Fixing block

See chapter accessories



Marking system

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000



Ordering data

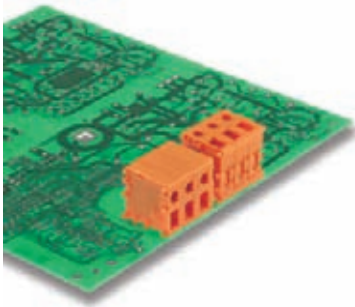
Solder pin length	4.5 mm
Colour of plastic	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		0391360000
3	15.24	(0.600)	50		0391460000
4	22.86	(0.900)	50		0391560000
5	30.48	(1.200)	25		1490460000
6	38.10	(1.500)	25		1597060000
7	45.72	(1.800)	25		1597070000
8	53.34	(2.100)	20		0570960000
9	60.96	(2.400)	20		1597080000
10	68.58	(2.700)	20		0571160000
11	76.20	(3.000)	20		1597090000
12	83.82	(3.300)	20		0392160000

TOP connection

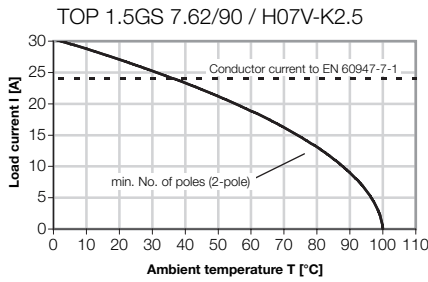
TOP 1.5GS 7.62 EX



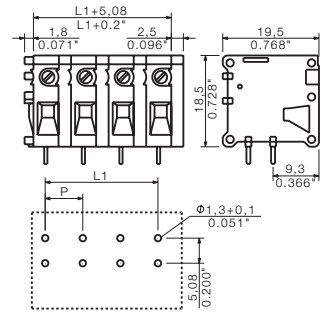
For potentially explosive areas, conductor entry and screw connection in one direction, PCB terminal in 7.62 mm pitch for conductor cross-sections up to 2.5 mm², conductor outlet direction 90° or 180°.

- 1.5 mm² / 14 AWG
- 275 V
- 12 A

Derating curve



TOP 1.5GS/90-7.62 Ex e



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	
Solid H05(07) V-U	mm ²	
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

Rated current at ambient temperature	20°C	40°C
	A	

Overvoltage category	III	III	II
Pollution severity	3	2	2

Rated voltage	V	275
Rated impulse voltage	kV	

Rated data Ex e - DEMKO 03 ATEX 134439 U

Rated voltage	V	275
Rated current	A	12
Clamping range	mm ² /AWG	0.13...1.5 / 26...14

@ CSA C22.2 rated data

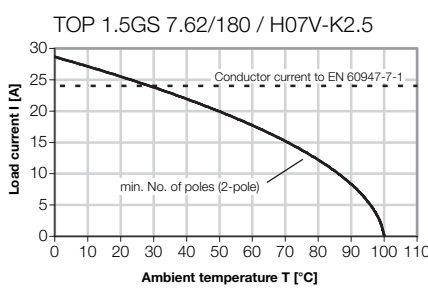
	B	C	D
Rated voltage	V		
Rated current	A		
AWG conductor			

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	CuZn
Material of contact surface	tinned

Information

- P on drg. = pitch
- Service temperature range: see EC type examination certificate / IEC Ex-Certificate of Conformity
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



Ordering data

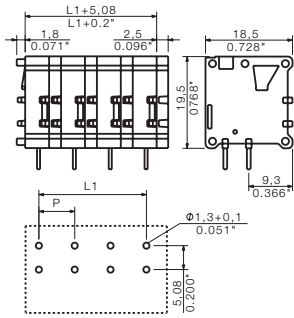
Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 7.62 mm		Order No.	Order No.
Poles	L1 mm (inch)	Qty.	
2	7.62 (0.300)	100	1850340000
3	15.24 (0.600)	100	1850350000
4	22.86 (0.900)	50	1850360000
5	30.48 (1.200)	25	1850370000
6	38.10 (1.500)	20	1850380000
7	45.72 (1.800)	20	1850390000
8	53.34 (2.100)	20	1850400000
9	60.96 (2.400)	20	1850410000
10	68.58 (2.700)	20	1850420000
11	76.20 (3.000)	20	1850430000
12	83.82 (3.300)	20	1850440000

TOP 1.5GS/180-7.62 Ex e

Accessories

Note



Ordering data

Solder pin length	4.5 mm
Colour of plastic	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1850450000
3	15.24	(0.600)	50		1850460000
4	22.86	(0.900)	50		1850470000
5	30.48	(1.200)	25		1850480000
6	38.10	(1.500)	25		1850490000
7	45.72	(1.800)	25		1850500000
8	53.34	(2.100)	20		1850510000
9	60.96	(2.400)	20		1850520000
10	68.58	(2.700)	20		1850530000
11	76.20	(3.000)	20		1850540000
12	83.82	(3.300)	20		1850550000

Fixing block

See chapter accessories



Marking system

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000

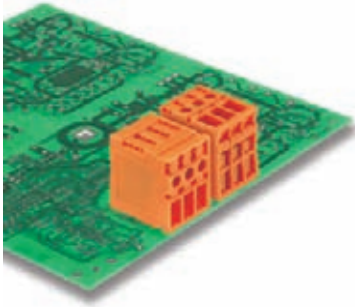


Ex e / ATEX

The old Explosive Atmospheres and Gassy Mines Directive 76/117/EEC was superseded by the new directive 94/9/EC, also known as ATEX 95 (ATEX: ATmosphere EXplosive = potentially explosive atmosphere), on 1 July 2003. Only the new directive is now valid, which is one of the so-called "New Approach" directives. It applies in all the countries of the European Union plus Iceland, Liechtenstein and Norway. In all these countries the directive applies to the sale and operation of products that have been specially developed for use in potentially explosive atmospheres in which gases, vapours, mists or dusts prevail. A new development is the inclusion of mining operations and purely mechanical devices. The ATEX directive had been in force since March 1996, but its use up until 30 June 2003 (transitional period) was optional and existing directives remained applicable as well. Since 1 July 2003 all new installations and equipment for use in potentially explosive areas must comply with the ATEX directive and be certified accordingly, however the previous breakdown into zones (Zone 0, 1 or 2) and classes of protection (e.g. "i": intrinsic safety, "e": increased safety) is still applicable.

TOP connection

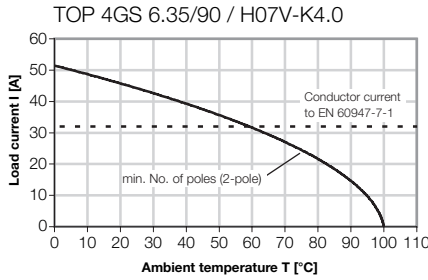
TOP 4 GS - 6.35



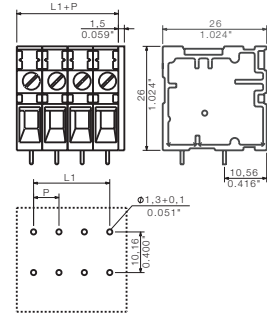
Conductor entry and screw connection in the same direction on this PCB terminal with 6.35 mm pitch for conductor cross-sections up to 6.0 mm². Conductor outlet direction 90° and 180°.

- 0.5 - 6.0 mm² (IEC) / 26 - 10 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 32 A (IEC) / 30 A (UL)

Derating curve



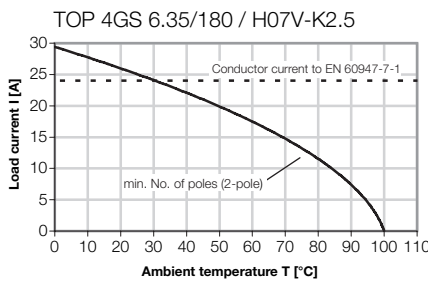
TOP 4GS/90-6.35



Technical data

Rated data to IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.13...6
Solid H05(07) V-U	mm ²	0.5...6
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...4
Ferrule with plastic collar	mm ²	0.5...4
Stripping length	mm	13
Screwdriver blade	mm	0.6 x 3.5
according to norm		
Tightening torque range	Nm	0.5...0.6
Rated current at ambient temperature		
	A	20°C 32 40°C 32
Overvoltage category		
		III III II
Pollution severity		
		3 2 2
Rated voltage	V	320 320 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL 1059 rated data		
		B C D
Nominal voltage	V	300 300
Rated current	A	30 10
AWG conductor		26-10
CSA C22.2 rated data		
		B C D
Rated voltage	V	300 300
Rated current	A	30 10
AWG conductor		26-10
Material data		
Type of insulating material		PA
Flammability class acc. UL94		V-2
Contact base material		E-Cu
Material of contact surface		tinned
Information		

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

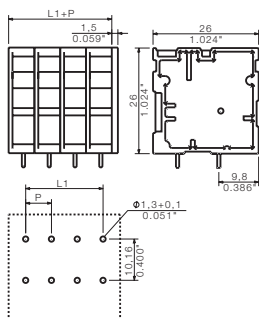


Ordering data

Solder pin length		3.5 mm			
Colour of plastic		orange			
Pitch 6.35 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	6.35	(0.250)	100		1401760000
3	12.70	(0.500)	100		1650300000
4	19.05	(0.750)	50		1786030000
5	25.40	(1.000)	50		1786040000
6	31.75	(1.250)	50		1786050000
7	38.10	(1.500)	50		1786060000
8	44.45	(1.750)	50		1667910000
9	50.80	(2.000)	50		1786070000
10	57.15	(2.250)	50		1786080000
11	63.50	(2.500)	50		1786090000
12	69.85	(2.750)	50		1786100000

TOP 4GS/180-6.35

Accessories



Possible colors

Additional colours on request



Marking system

See chapter accessories

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 6.35 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	6.35	(0.250)	100		1786190000
3	12.70	(0.500)	100		1786200000
4	19.05	(0.750)	50		1786210000
5	25.40	(1.000)	50		1786220000
6	31.75	(1.250)	50		1786230000
7	38.10	(1.500)	50		1786240000
8	44.45	(1.750)	50		1786250000
9	50.80	(2.000)	50		1786260000
10	57.15	(2.250)	50		1786270000
11	63.50	(2.500)	50		1786280000
12	69.85	(2.750)	50		1786290000



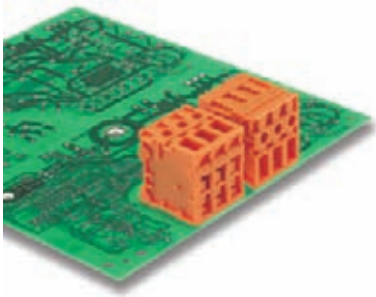
Screwdriver

See chapter accessories
Order No. 9008390000



TOP connection

TOP 4 GS - 7.62



Conductor entry and screw connection in the same direction on this PCB terminal with 7.62 mm pitch for conductor cross-sections up to 6.0 mm². Conductor outlet direction 90° and 180°.

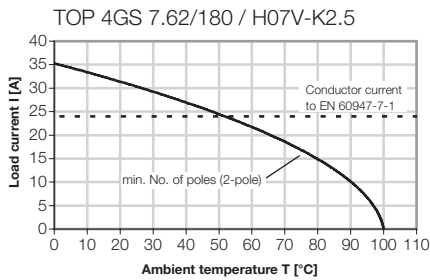
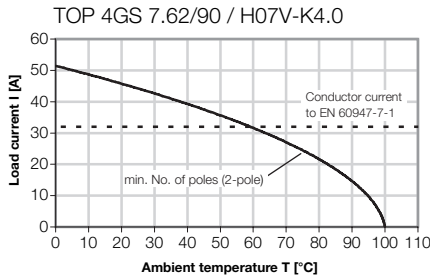
- 0.5 - 6.0 mm² (IEC) / 26 - 10 AWG (UL)
- 1000 V (IEC) / 300 V (UL)
- 32 A (IEC) / 30 A (UL)

Technical data

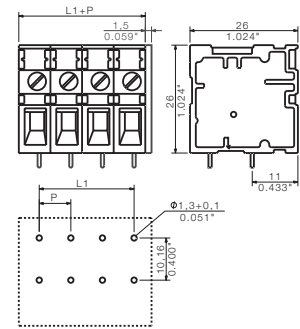
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...4	
Ferrule with plastic collar	mm ²	0.5...4	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current at ambient temperature			
	A	20°C	40°C
		32	32
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	500	630 1000
Rated impulse voltage	kV	4	4 4
UL 1059 rated data			
		B	C D
Nominal voltage	V	300	300
Rated current	A	30	10
AWG conductor		26-10	
CSA C22.2 rated data			
		B	C D
Rated voltage	V	300	300
Rated current	A	30	10
AWG conductor		26-10	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



TOP 4GS/90-7.62

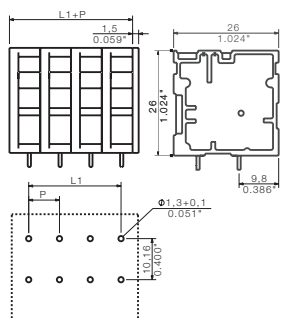


Ordering data

Solder pin length	3.5 mm				
Colour of plastic	orange				
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	50		0289660000
3	15.24	(0.600)	50		0289760000
4	22.86	(0.900)	50		0290160000
5	30.48	(1.200)	50		1698740000
6	38.10	(1.500)	50		1786410000
7	45.72	(1.800)	50		1647300000
8	53.34	(2.100)	50		1786420000
9	60.96	(2.400)	50		1786430000
10	68.58	(2.700)	50		1786440000
11	76.20	(3.000)	50		1759860000
12	83.82	(3.300)	50		1786450000

TOP 4GS/180-7.62

Accessories



Possible colors

Additional colours on request



Marking system

See chapter accessories

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 7.62 mm		Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	50				0298360000
3	15.24	(0.600)	50				0298460000
4	22.86	(0.900)	50				0298560000
5	30.48	(1.200)	50				1786540000
6	38.10	(1.500)	50				1494560000
7	45.72	(1.800)	50				1786550000
8	53.34	(2.100)	50				1786560000
9	60.96	(2.400)	50				1571700000
10	68.58	(2.700)	50				1786570000
11	76.20	(3.000)	50				1786580000
12	83.82	(3.300)	50				1749170000



Screwdriver

See chapter accessories
Order No. 9008390000



Leaf spring connection

PS 3.5



Very small and compact PCB terminal with leaf spring connection in 3.5 mm pitch, with a conductor outlet direction 90° and suitable for conductor cross-sections up to 1.5 mm².

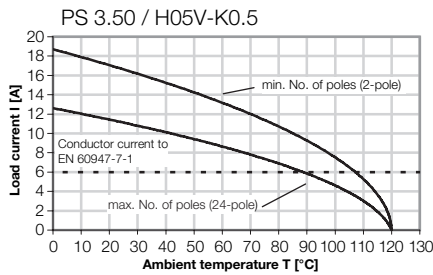
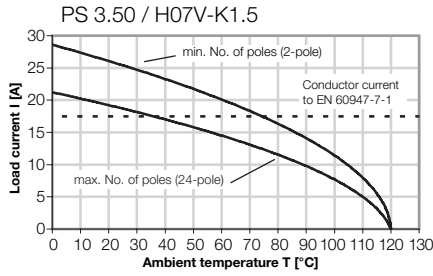
- 0.2 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Technical data

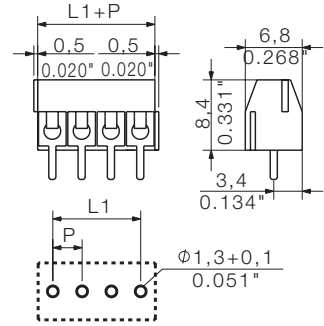
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.08...1.5	
Solid H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²	0.2...1.5	
Flexible with ferrule	mm²	0.25...0.75	
Ferrule with plastic collar	mm²	0.25...0.75	
Stripping length	mm	4	
Screwdriver blade	mm	0.4 x 2.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	
Rated current	A	10	
AWG conductor		28-16	
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



PS 3.5/90



Ordering data

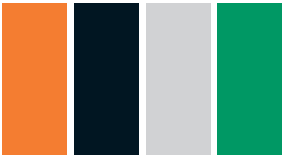
Solder pin length	3.5 mm
Colour of plastic	black

Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1811180000
3	7.00	(0.276)	100		1811190000
4	10.50	(0.413)	100		1811200000
5	14.00	(0.551)	100		1811210000
6	17.50	(0.689)	100		1811220000
7	21.00	(0.827)	100		1811230000
8	24.50	(0.965)	100		1811240000
9	28.00	(1.102)	100		1811250000
10	31.50	(1.240)	100		1811260000
11	35.00	(1.378)	100		1811270000
12	38.50	(1.516)	100		1811280000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories

Order No. 9008370000, Order No. 9008520000



Leaf spring connection

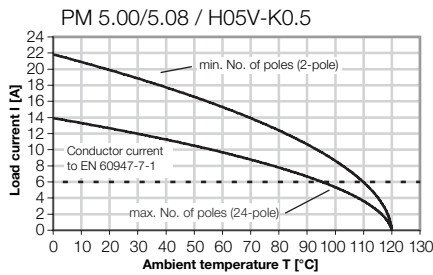
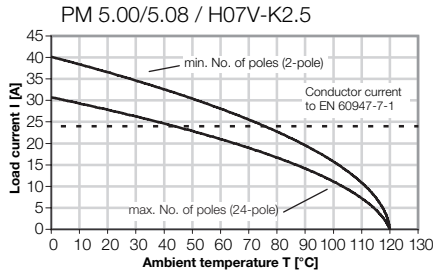
PM 5.08
PM 5.00



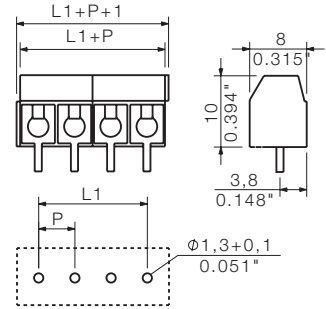
PCB terminal with leaf spring connection in 5.00 and 5.08 mm pitch. Conductor outlet direction 90°. Suitable for conductor cross-sections up to 2.5 mm².

- 0.13 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 600 V (IEC) / 300 V (UL)
- 24 A (IEC) / 15 A (UL)

Derating curve



PM 5.08/90
PM 5.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm²	0.13...2.5	
Solid H05(07) V-U	mm²	0.13...2.5	
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²	0.13...2.5	
Flexible with ferrule	mm²	0.25...1.5	
Ferrule with plastic collar	mm²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade according to norm	mm	0.6 x 3.5	
Tightening torque range	Nm	0.4...0.5	

Rated current at ambient temperature

	20°C	40°C
A	24	24

Overvoltage category
Pollution severity

Overvoltage category	III	III	II
Pollution severity	3	2	2

Rated voltage	V	250	250	600
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

	B	C	D
--	---	---	---

Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-14	

CSA C22.2 rated data

	B	C	D
--	---	---	---

Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-14	

Material data

Type of insulating material	Wemid (PA)
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	500		1760510000
3	10.16	(0.400)	500		1760520000

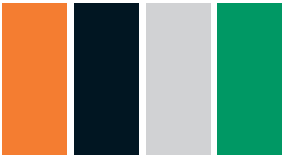
Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	500		1791630000
3	10.00	(0.394)	500		1791640000

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories

Order No. 9008390000, Order No. 9008520000



Tension clamp connection

LMZF 5.00/5.08



PCB terminal with tension clamp connection in 5.00 (5.08) mm pitch. Conductor outlet direction 135°. Suitable for conductor cross-sections up to 2.5 mm². Also available with lever for opening the clamping point.

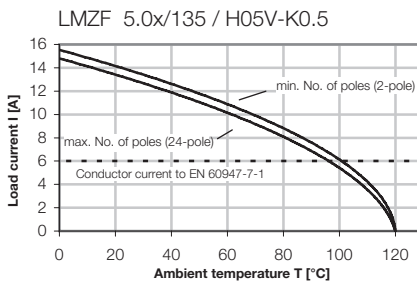
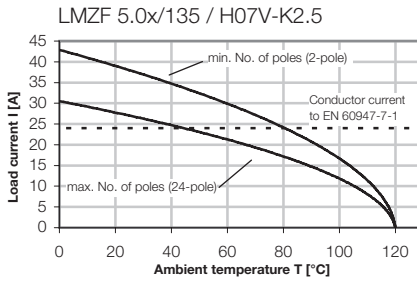
- 0.13 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 24 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.4 x 2.5	
according to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		24	24
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-14	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor		26-14	
Material data			
Type of insulating material		Wemid (PA)	
Flammability class acc. UL94		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Information			

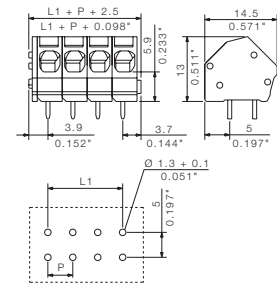
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LMZF 5.0X/135

without operating lever



Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

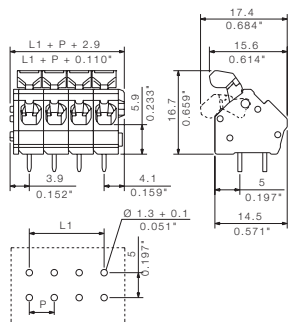
Pitch 5.0X mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100		1811840000
3	10.00	(0.394)	100		1811850000
4	15.00	(0.591)	100		1811860000
5	20.00	(0.787)	100		1811870000
6	25.00	(0.984)	100		1811880000
7	30.00	(1.181)	100		1811890000
8	35.00	(1.378)	100		1811900000
9	40.00	(1.575)	100		1811910000
10	45.00	(1.772)	100		1811920000
11	50.00	(1.969)	100		1811930000
12	55.00	(2.165)	100		1811940000
13	60.00	(2.362)	100		1959760000
14	65.00	(2.559)	100		1959770000
15	70.00	(2.756)	100		1959780000
16	75.00	(2.953)	100		1959790000
17	80.00	(3.150)	50		1959800000
18	85.00	(3.346)	50		1921410000
19	90.00	(3.543)	50		1959820000
20	95.00	(3.740)	50		1959830000
21	100.00	(3.937)	50		1959840000
22	105.00	(4.134)	50		1959850000
23	110.00	(4.331)	50		1959860000
24	115.00	(4.528)	50		1959870000

Adjust the pitch by pulling or pushing the ends of the terminal. Terminal supplied with 5.00 mm pitch.

LMZFL 5.0X/135

with operating lever



Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

Pitch 5.0X mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100		1811510000
3	10.00	(0.394)	100		1811520000
4	15.00	(0.591)	100		1811530000
5	20.00	(0.787)	100		1811540000
6	25.00	(0.984)	100		1811550000
7	30.00	(1.181)	100		1811560000
8	35.00	(1.378)	100		1811570000
9	40.00	(1.575)	100		1811580000
10	45.00	(1.772)	100		1811590000
11	50.00	(1.969)	100		1811600000
12	55.00	(2.165)	100		1811610000
13	60.00	(2.362)	100		1957720000
14	65.00	(2.559)	100		1957730000
15	70.00	(2.756)	100		1957740000
16	75.00	(2.953)	100		1957750000
17	80.00	(3.150)	50		1957760000
18	85.00	(3.346)	50		1957770000
19	90.00	(3.543)	50		1957790000
20	95.00	(3.740)	50		1957810000
21	100.00	(3.937)	50		1957840000
22	105.00	(4.134)	50		1957860000
23	110.00	(4.331)	50		1957870000
24	115.00	(4.528)	50		1957890000

Adjust the pitch by pulling or pushing the ends of the terminal.
Terminal supplied with 5.00 mm pitch.

Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



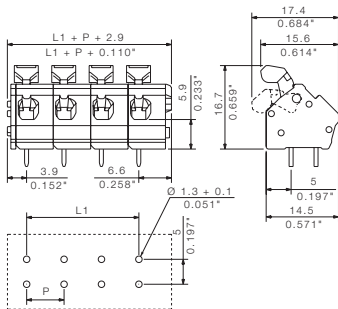
Screwdriver

See chapter accessories
Order No. 9008330000



LMZFL 7.XX/135

with lever



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008330000



Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

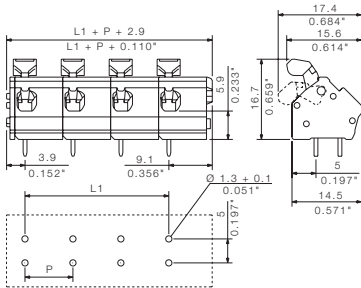
Pitch 7.XX mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.00	(0.276)	100		1952680000
3	14.00	(0.551)	100		1952690000
4	21.00	(0.827)	100		1952700000
5	28.00	(1.102)	100		1952710000
6	35.00	(1.378)	100		1952720000
7	42.00	(1.654)	100		1952730000
8	49.00	(1.929)	100		1952740000
9	56.00	(2.205)	100		1952750000
10	63.00	(2.480)	100		1952760000
11	70.00	(2.756)	100		1952770000
12	77.00	(3.031)	100		1952780000

Pitch spacing can be adjusted by pulling and pushing the series of poles.
Supplied with 7.50 mm pitch.

LMZFL 10.XX/135

with operating lever



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008330000



Ordering data

Solder pin length	3.5 mm
Colour of plastic	black

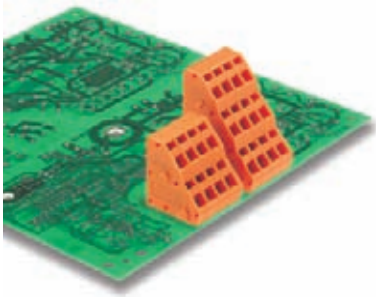
Pitch 10.XX mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.00	(0.394)	100		1953580000
3	20.00	(0.787)	100		1953590000
4	30.00	(1.181)	100		1953600000
5	40.00	(1.575)	100		1953610000
6	50.00	(1.969)	100		1953620000
7	60.00	(2.362)	100		1953630000
8	70.00	(2.756)	100		1953640000
9	80.00	(3.150)	100		1953650000
10	90.00	(3.543)	100		1953660000
11	100.00	(3.937)	100		1953670000
12	110.00	(4.331)	100		1953680000

Pitch spacing can be adjusted by pulling and pushing the series of poles.
Supplied with 10 mm pitch.

Tension clamp connection

LMZF 5.08 multiple level



Multi level PCB terminal with tension clamp connection in 5.08 mm pitch. Conductor outlet direction 135°. Suitable for conductor cross-sections up to 2.5 mm².

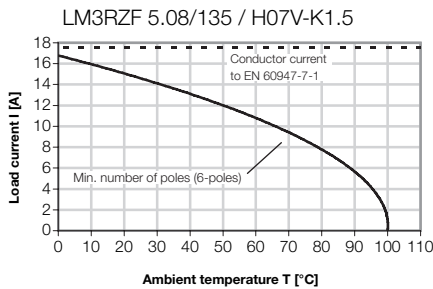
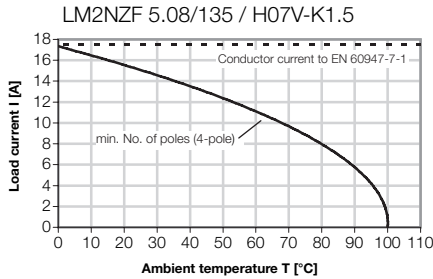
- 0.2 - 2.5 mm² (IEC) / 24 - 14 AWG (UL)
- 630 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	7.5	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		15	13
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
UL 1059 rated data			
		B	C
		D	
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-14	
CSA C22.2 rated data			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-14	
Material data			
Type of insulating material		PA	
Flammability class acc. UL94		V-2	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

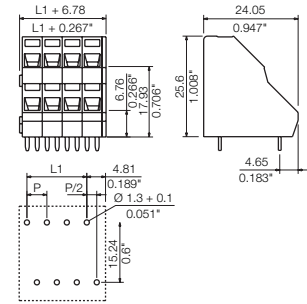
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



LM2NZF 5.08

2-row

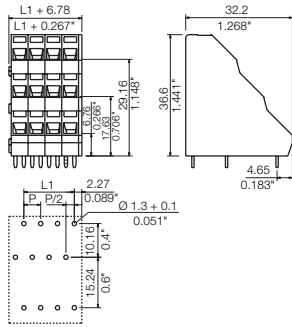


Ordering data

Solder pin length	3.5 mm				
Colour of plastic	orange				
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50		1764810000
6	10.16	(0.400)	50		1764820000
8	15.24	(0.600)	50		1764830000
10	20.32	(0.800)	50		1764840000
12	25.40	(1.000)	50		1764850000
14	30.48	(1.200)	20		1764860000
16	35.56	(1.400)	20		1764870000
18	40.64	(1.600)	20		1764880000
20	45.72	(1.800)	20		1758020000
22	50.80	(2.000)	20		1764890000
24	55.88	(2.200)	10		1764900000
26	60.96	(2.400)	10		1782500000
28	66.04	(2.600)	10		1782510000
30	71.12	(2.800)	10		1782520000
32	76.20	(3.000)	10		1782530000
34	81.28	(3.200)	10		1782540000
36	86.36	(3.400)	10		1782550000

LM3RZF 5.08

Triple level



Accessories

Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008330000



Ordering data

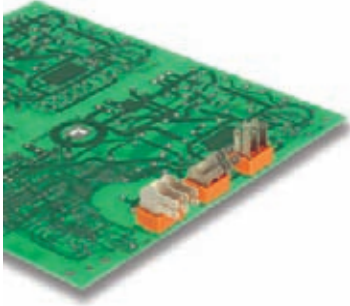
Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
6	5.08	(0.200)	50		1764910000
9	10.16	(0.400)	50		1764920000
12	15.24	(0.600)	50		1764930000
15	20.32	(0.800)	20		1764940000
18	25.40	(1.000)	20		1764950000
21	30.48	(1.200)	20		1758040000
24	35.56	(1.400)	10		1764960000
27	40.64	(1.600)	10		1764970000
30	45.72	(1.800)	10		1758030000
33	50.80	(2.000)	10		1764980000
36	55.88	(2.200)	10		1764990000
48	76.20	(3.000)	10		1758050000

Spade connection

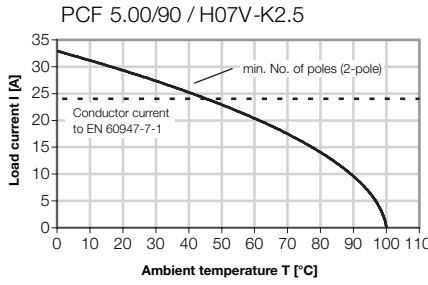
PCF 5.00



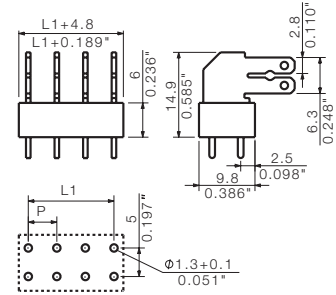
Spade connection in 90°, 135° and 180° conductor outlet direction for 6.3 and 2.8 mm spade crimps at 5.00 mm pitch

- 630 V (IEC) / 300 V (UL)
- 24 A (IEC) / 15 A (UL)

Derating curve



PCF 5.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	
Solid H05(07) V-U	mm ²	
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade according to norm	mm	
Tightening torque range	Nm	

Rated current at ambient temperature

	20°C	40°C
A	24	24

Oversoltage category

	III	III	II
--	-----	-----	----

Pollution severity

	3	2	2
--	---	---	---

Rated voltage	V	250	320	630
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

	B	C	D
--	---	---	---

Nominal voltage	V	150	300
Rated current	A	15	10

CSA C22.2 rated data

	B	C	D
--	---	---	---

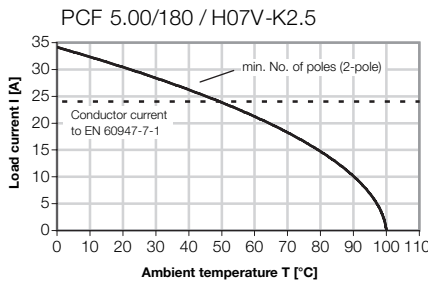
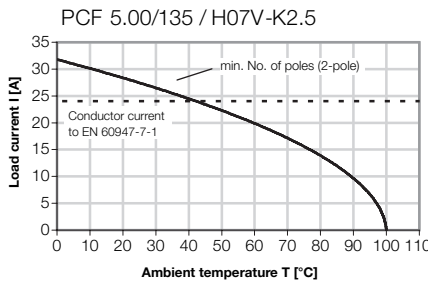
Rated voltage	V	150	300
Rated current	A	15	10

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	CuSn
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Rated voltages with insulating sleeves IH 6.3 or IH 2.8
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



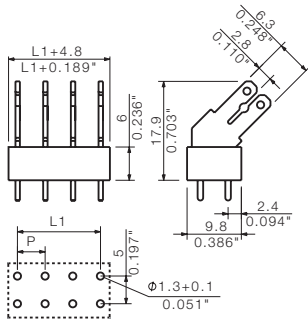
Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

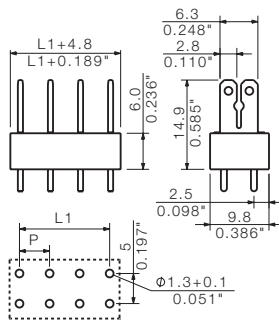
Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100		9511410000
3	10.00	(0.394)	100		9511420000
4	15.00	(0.591)	100		9511430000
5	20.00	(0.787)	100		9511440000
6	25.00	(0.984)	100		9511450000
7	30.00	(1.181)	50		9511460000
8	35.00	(1.378)	50		9511470000
9	40.00	(1.575)	50		9511480000
10	45.00	(1.772)	50		9511490000
11	50.00	(1.969)	50		9511500000
12	55.00	(2.165)	50		9511510000
13	60.00	(2.362)	50		9511520000
14	65.00	(2.559)	50		9511530000
15	70.00	(2.756)	50		9511540000
16	75.00	(2.953)	50		9511550000
17	80.00	(3.150)	50		9511560000
18	85.00	(3.346)	50		9511570000
19	90.00	(3.543)	50		9511580000

PCF 5.00/135



PCF 5.00/180



Accessories

Marking strips

See chapter accessories



Crimping tool

See chapter accessories



Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100		9511790000
3	10.00	(0.394)	100		9511800000
4	15.00	(0.591)	100		9511810000
5	20.00	(0.787)	100		9511820000
6	25.00	(0.984)	100		9511830000
7	30.00	(1.181)	50		9511840000
8	35.00	(1.378)	50		9511850000
9	40.00	(1.575)	50		9511860000
10	45.00	(1.772)	50		9511870000
11	50.00	(1.969)	50		9511880000
12	55.00	(2.165)	50		9511890000
13	60.00	(2.362)	50		9511900000
14	65.00	(2.559)	50		9511910000
15	70.00	(2.756)	50		9511920000
16	75.00	(2.953)	50		9511930000
17	80.00	(3.150)	50		9511940000
18	85.00	(3.346)	50		9511950000
19	90.00	(3.543)	50		9511960000

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100		9500410000
3	10.00	(0.394)	100		9500420000
4	15.00	(0.591)	100		9500430000
5	20.00	(0.787)	100		9500440000
6	25.00	(0.984)	100		9500450000
7	30.00	(1.181)	50		9500460000
8	35.00	(1.378)	50		9500470000
9	40.00	(1.575)	50		9500480000
10	45.00	(1.772)	50		9500490000
11	50.00	(1.969)	50		9500510000
12	55.00	(2.165)	50		9500520000
13	60.00	(2.362)	50		9500530000
14	65.00	(2.559)	50		9500540000
15	70.00	(2.756)	50		9500550000
16	75.00	(2.953)	50		9500560000
17	80.00	(3.150)	50		9500570000
18	85.00	(3.346)	50		9500580000
19	90.00	(3.543)	50		9500590000

Spade connection

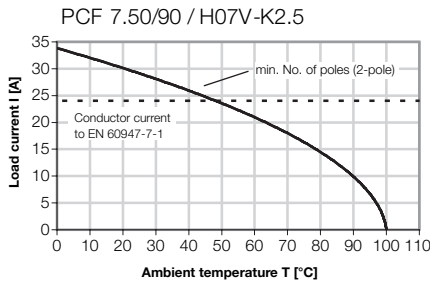
PCF 7.50



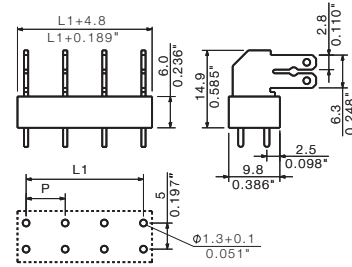
Spade connection in 90°, 135° and 180° conductor outlet direction for 6.3 and 2.8 mm spade crimps at 7.50 mm pitch

- 1000 V (IEC) / 300 V (UL)
- 24 A (IEC) / 15 A (UL)

Derating curve



PCF 7.50/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
Flexible H05(07) V-K	mm ²
Flexible with ferrule	mm ²
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade according to norm	mm
Tightening torque range	Nm

Rated current at ambient temperature

	20°C	40°C
A	24	24

Overvoltage category Pollution severity

	III	III	II
	3	2	2

Rated voltage	V	500	690	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data

	B	C	D	
Nominal voltage	V	300	150	300
Rated current	A	15	15	10

CSA C22.2 rated data

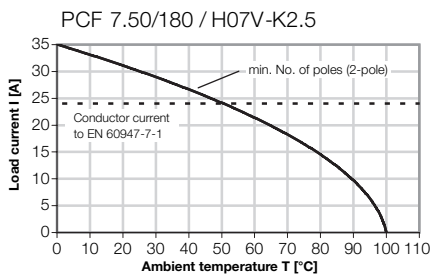
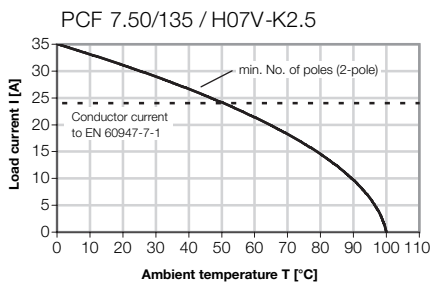
	B	C	D	
Rated voltage	V	300	150	300
Rated current	A	15	15	10

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	CuSn
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Rated voltages with insulating sleeves IH 6.3 or IH 2.8
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



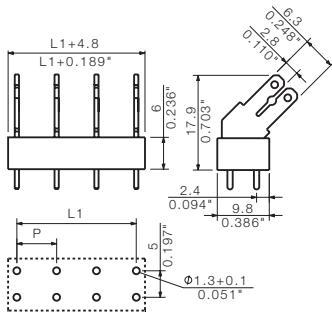
Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

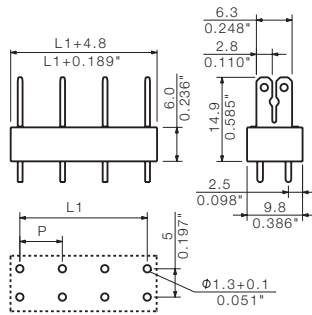
Pitch 7.50 mm

Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	7.50 (0.295)	100		9511590000
3	15.00 (0.591)	100		9511600000
4	22.50 (0.886)	100		9511610000
5	30.00 (1.181)	100		9511620000
6	37.50 (1.476)	100		9511630000
7	45.00 (1.772)	50		9511640000
8	52.50 (2.067)	50		9511650000
9	60.00 (2.362)	50		9512180000
10	67.50 (2.657)	50		9511660000
11	75.00 (2.953)	50		9511670000
12	82.50 (3.248)	50		9511680000
13	90.00 (3.543)	50		9511690000

PCF 7.50/135



PCF 7.50/180



Accessories

Marking strips

See chapter accessories



Crimping tool

See chapter accessories



Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 7.50 mm

Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	7.50 (0.295)	100		9511970000
3	15.00 (0.591)	100		9511980000
4	22.50 (0.886)	100		9511990000
5	30.00 (1.181)	100		9512000000
6	37.50 (1.476)	100		9512010000
7	45.00 (1.772)	50		9512020000
8	52.50 (2.067)	50		9512030000
9	60.00 (2.362)	50		9512040000
10	67.50 (2.657)	50		9512050000
11	75.00 (2.953)	50		9512060000
12	82.50 (3.248)	50		9512070000
13	90.00 (3.543)	50		9512080000

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 7.50 mm

Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	7.50 (0.295)	100		9500620000
3	15.00 (0.591)	50		9500630000
4	22.50 (0.886)	100		9500640000
5	30.00 (1.181)	100		9500650000
6	37.50 (1.476)	100		9500660000
7	45.00 (1.772)	50		9500670000
8	52.50 (2.067)	50		9500680000
9	60.00 (2.362)	50		9500690000
10	67.50 (2.657)	50		9500710000
11	75.00 (2.953)	50		9500720000
12	82.50 (3.248)	50		9500730000
13	90.00 (3.543)	50		9500740000

Spade connection

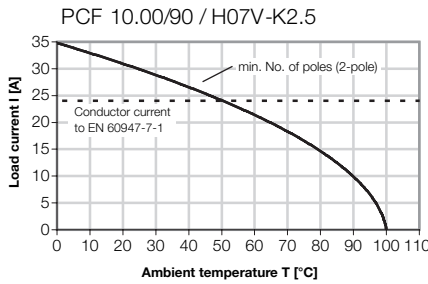
PCF 10.00



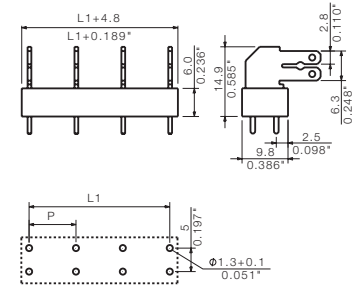
Spade connection in 90°, 135° and 180° conductor outlet direction for 6.3 and 2.8 mm spade crimps at 10 mm pitch

- 1000 V (IEC) / 300 V (UL)
- 24 A (IEC) / 15 A (UL)

Derating curve



PCF 10.00/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	
Solid H05(07) V-U	mm ²	
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade according to norm	mm	
Tightening torque range	Nm	

Rated current at ambient temperature

	20°C	40°C
A	24	24

Overvoltage category Pollution severity

Overvoltage category	III	III	II
Pollution severity	3	2	2

Rated voltage	V	690	690	1000
Rated impulse voltage	kV	6	6	6

UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300	300
Rated current	A	15	15	10
AWG conductor				

CSA C22.2 rated data

	B	C	D
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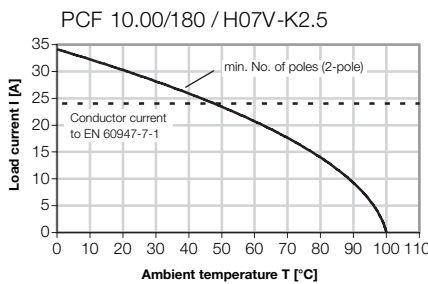
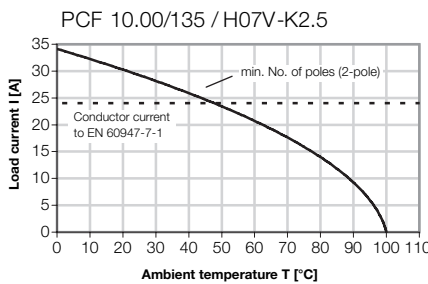
Rated voltage	V	300	300	300
Rated current	A	15	15	10
AWG conductor				

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	CuSn
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Rated voltages with insulating sleeves IH 6.3 or IH 2.8
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.



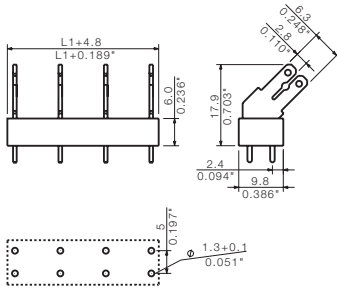
Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

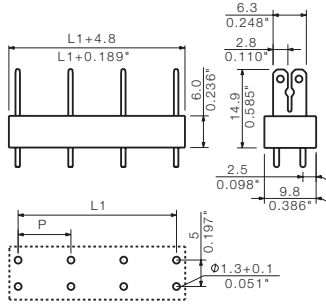
Pitch 10.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.00	(0.394)	100		951170000
3	20.00	(0.787)	100		951171000
4	30.00	(1.181)	100		951172000
5	40.00	(1.575)	100		951173000
6	50.00	(1.969)	100		951174000
7	60.00	(2.362)	50		951175000
8	70.00	(2.756)	50		951176000
9	80.00	(3.150)	50		951177000
10	90.00	(3.543)	50		951178000

PCF 10.00/135



PCF 10.00/180



Accessories

Marking strips

See chapter accessories



Crimping tool

See chapter accessories



Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 10.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.00	(0.394)	100		9512090000
3	20.00	(0.787)	100		9512100000
4	30.00	(1.181)	100		9512110000
5	40.00	(1.575)	100		9512120000
6	50.00	(1.969)	100		9512130000
7	60.00	(2.362)	50		9512140000
8	70.00	(2.756)	50		9512150000
9	80.00	(3.150)	50		9512160000
10	90.00	(3.543)	50		9512170000

Ordering data

Solder pin length	3.5 mm
Colour of plastic	orange

Pitch 10.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	10.00	(0.394)	100		9500750000
3	20.00	(0.787)	100		9500760000
4	30.00	(1.181)	100		9500770000
5	40.00	(1.575)	100		9500780000
6	50.00	(1.969)	50		9500790000
7	60.00	(2.362)	50		9500810000
8	70.00	(2.756)	50		9500820000
9	80.00	(3.150)	50		9500830000
10	90.00	(3.543)	50		9500840000

THR PCB Terminals with clamping yoke connection

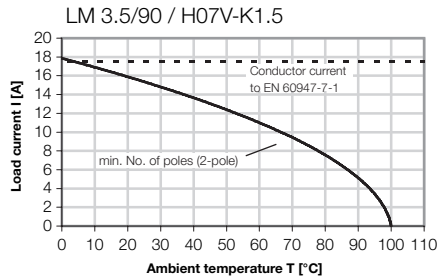
LM-THR 3.5



Through Hole Reflow (THR), high-temperature-resistant, small, compact PCB terminal with proven clamping yoke connection at 3.5 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 1.5 mm².

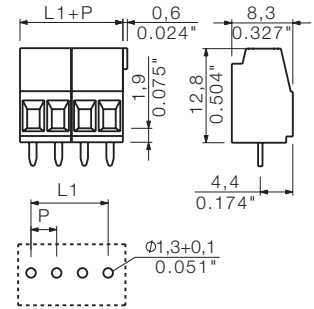
- 0.5 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 16 A (IEC) / 10 A (UL)

Derating curve



LM-THR 3.5/90

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm²	0.08...2.08
Solid H05(07) V-U	mm²	0.5...1.5
Stranded H07 V-R	mm²	
Flexible H05(07) V-K	mm²	0.5...1.5
Flexible with ferrule	mm²	
Ferrule with plastic collar	mm²	0.5...0.75
Stripping length	mm	5
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25

Rated current at ambient temperature

	20°C	40°C
A	16	14

Overvoltage category Pollution severity

	III	III	II
	3	2	2

Rated voltage	V	125	160	320
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

CSA C22.2 rated data

	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	3.2 mm
Colour of plastic	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1789130000
3	7.00	(0.276)	100		1789140000

Accessories

Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



THR PCB Terminals with clamping yoke connection

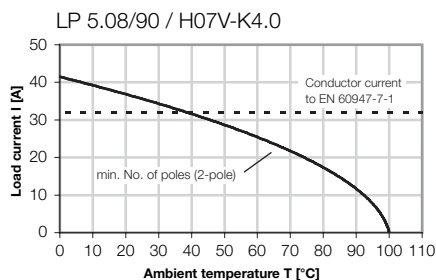
LP-THR 5.08



Through Hole Reflow (THR), high-temperature-resistant PCB terminal with proven clamping yoke connection at 5.08 mm pitch, conductor outlet direction 90°, suitable for conductor cross-sections up to 6.0 mm².

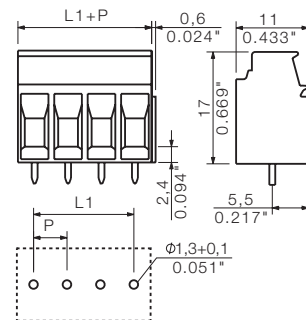
- 0.5 - 6.0 mm² (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

Derating curve



LP-THR 5.08/90

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...6		
Solid H05(07) V-U	mm²	0.5...6		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.5...4		
Flexible with ferrule	mm²	0.5...2.5		
Ferrule with plastic collar	mm²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
according to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current at ambient temperature		20°C	40°C	
	A	32	32	
Overvoltage category		III	III	
Pollution severity		3	2	
Rated voltage	V	250	250	500
Rated impulse voltage	kV	4	4	4
UL 1059 rated data		B	C D	
Nominal voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		
CSA C22.2 rated data		B	C D	
Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor		26-12		
Material data				
Type of insulating material		PA		
Flammability class acc. UL94		V-2		
Contact base material		Cu alloy		
Material of contact surface		tinned		

- Information**
- Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228 pt 1
 - Wire end ferrule with plastic collar to DIN 46228 pt 4
 - P on drg. = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

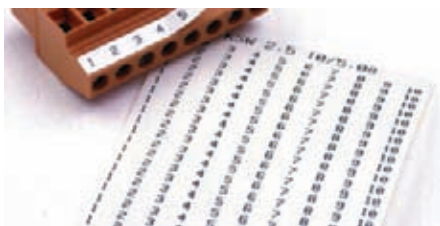
Solder pin length	3.2 mm
Colour of plastic	black

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1789150000
3	10.16	(0.400)	100		1789160000

Accessories

Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008390000

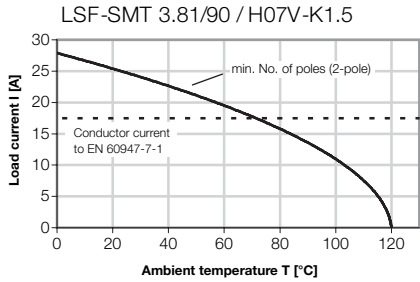


THR PCB Terminals with Push In connection

LSF-SMT 3.81/90
LSF-SMT 3.50/90



Derating curve



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 90°.

- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
		320	2.5
UL 1059 rated data			
		B	C
		D	
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LSF-SMT 3.81/90
LSF-SMT 3.50/90

Reflow-compatible PCB terminal



Ordering data

Solder pin length	1.5 mm	3.5 mm		
Colour of plastic	black	black		
Pitch 3.81 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	3.81 (0.150)	69	1869360000	1824620000
3	7.62 (0.300)	46	1869370000	1824630000
4	11.43 (0.450)	35	1869380000	1824640000
5	15.24 (0.600)	28	1869390000	1824650000
6	19.05 (0.750)	23	1869400000	1824660000
7	22.86 (0.900)	20	1869410000	1824690000
8	26.67 (1.050)	17	1869420000	1824700000
9	30.48 (1.200)	15	1869430000	1824710000
10	34.29 (1.350)	14	1869440000	1824720000
11	38.10 (1.500)	13	1869450000	1824730000
12	41.91 (1.650)	12	1869460000	1825300000
13	45.72 (1.800)	11	1869470000	1871200000
14	49.53 (1.950)	10	1869480000	1871210000
15	53.34 (2.100)	9	1869500000	1871220000
16	57.15 (2.250)	9	1869510000	1871230000
17	60.96 (2.400)	8	1869520000	1871240000
18	64.77 (2.550)	8	1869530000	1871250000
19	68.58 (2.700)	7	1869540000	1871260000
20	72.39 (2.850)	7	1869550000	1871270000
21	76.20 (3.000)	6	1869560000	1871280000
22	80.01 (3.150)	6	1869570000	1871290000
23	83.82 (3.300)	6	1869580000	1871300000
24	87.63 (3.450)	6	1869590000	1871310000
Pitch 3.50 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	71	1870500000	1824420000
3	7.00 (0.276)	49	1870530000	1824430000
4	10.50 (0.413)	37	1870550000	1824440000
5	14.00 (0.551)	30	1870580000	1824450000
6	17.50 (0.689)	25	1870590000	1824460000
7	21.00 (0.827)	21	1871020000	1824470000
8	24.50 (0.965)	19	1871030000	1824480000
9	28.00 (1.102)	17	1871040000	1824490000
10	31.50 (1.240)	15	1871050000	1824500000
11	35.00 (1.378)	14	1871060000	1824510000
12	38.50 (1.516)	12	1871070000	1824520000
13	42.00 (1.654)	11	1871080000	1870380000
14	45.50 (1.791)	11	1871090000	1870390000
15	49.00 (1.929)	10	1871100000	1870400000
16	52.50 (2.067)	9	1871110000	1870410000
17	56.00 (2.205)	9	1871120000	1870420000
18	59.50 (2.343)	8	1871130000	1870430000
19	63.00 (2.480)	8	1871140000	1870440000
20	66.50 (2.618)	7	1871150000	1870450000
21	70.00 (2.756)	7	1871160000	1870460000
22	73.50 (2.894)	7	1871170000	1870470000
23	77.00 (3.031)	6	1871180000	1870480000
24	80.50 (3.169)	6	1871190000	1870490000

LSF-SMT 3.81/90 Tape
LSF-SMT 3.50/90 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	265	1875170000	1875920000
3	7.62	(0.300)	265	1875230000	1875930000
4	11.43	(0.450)	265	1875240000	1875940000
5	15.24	(0.600)	265	1875250000	1875950000
6	19.05	(0.750)	265	1875260000	1875960000
7	22.86	(0.900)	265	1875270000	1875970000
8	26.67	(1.050)	265	1875280000	1875980000
9	30.48	(1.200)	265	1875290000	1875990000
10	34.29	(1.350)	265	1875300000	1876000000
11	38.10	(1.500)	265	1875310000	1876010000

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	265	1874690000	1874990000
3	7.00	(0.276)	265	1874710000	1875030000
4	10.50	(0.413)	265	1874730000	1875050000
5	14.00	(0.551)	265	1874740000	1875070000
6	17.50	(0.689)	265	1874810000	1875080000
7	21.00	(0.827)	265	1874840000	1875100000
8	24.50	(0.965)	265	1874890000	1875110000
9	28.00	(1.102)	265	1874900000	1875120000
10	31.50	(1.240)	265	1874930000	1875130000
11	35.00	(1.378)	265	1874940000	1875140000
12	38.50	(1.516)	265	1874970000	1875160000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

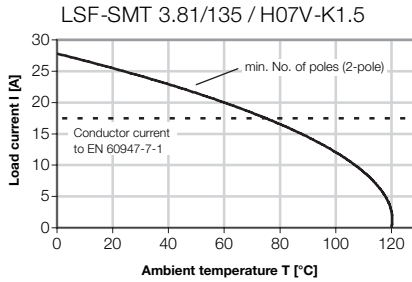
LSF-SMT 3.81/135
LSF-SMT 3.50/135



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 135°.

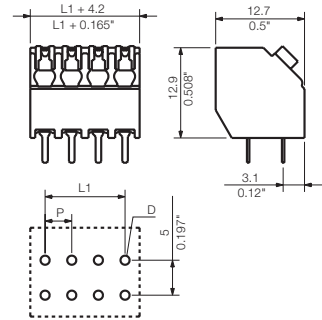
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 3.81/135
LSF-SMT 3.50/135

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length		1.5 mm	3.5 mm
Colour of plastic		black	black
Pitch 3.81 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	3.81 (0.150)	69	1885410000
3	7.62 (0.300)	46	1885420000
4	11.43 (0.450)	35	1885430000
5	15.24 (0.600)	28	1885440000
6	19.05 (0.750)	23	1885450000
7	22.86 (0.900)	20	1885460000
8	26.67 (1.050)	17	1885470000
9	30.48 (1.200)	15	1885480000
10	34.29 (1.350)	14	1885490000
11	38.10 (1.500)	13	1885510000
12	41.91 (1.650)	12	1885520000
13	45.72 (1.800)	11	1885530000
14	49.53 (1.950)	10	1885540000
15	53.34 (2.100)	9	1885550000
16	57.15 (2.250)	9	1885560000
17	60.96 (2.400)	8	1885570000
18	64.77 (2.550)	8	1885580000
19	68.58 (2.700)	7	1885590000
20	72.39 (2.850)	7	1885600000
21	76.20 (3.000)	6	1885610000
22	80.01 (3.150)	6	1885620000
23	83.82 (3.300)	6	1885630000
24	87.63 (3.450)	6	1885640000
Pitch 3.50 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	3.50 (0.138)	71	1885180000
3	7.00 (0.276)	49	1885190000
4	10.50 (0.413)	37	1885200000
5	14.00 (0.551)	30	1885210000
6	17.50 (0.689)	25	1885220000
7	21.00 (0.827)	21	1885230000
8	24.50 (0.965)	19	1885240000
9	28.00 (1.102)	17	1885250000
10	31.50 (1.240)	15	1885260000
11	35.00 (1.378)	14	1885270000
12	38.50 (1.516)	12	1885280000
13	42.00 (1.654)	11	1885290000
14	45.50 (1.791)	11	1885300000
15	49.00 (1.929)	10	1885310000
16	52.50 (2.067)	9	1885320000
17	56.00 (2.205)	9	1885330000
18	59.50 (2.343)	8	1885340000
19	63.00 (2.480)	8	1885350000
20	66.50 (2.618)	7	1885360000
21	70.00 (2.756)	7	1885370000
22	73.50 (2.894)	7	1885380000
23	77.00 (3.031)	6	1885390000
24	80.50 (3.169)	6	1885400000

LSF-SMT 3.81/135 Tape
LSF-SMT 3.50/135 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	190	1888450000	1888320000
3	7.62	(0.300)	190	1888460000	1888330000
4	11.43	(0.450)	190	1888470000	1888340000
5	15.24	(0.600)	190	1888480000	1888380000
6	19.05	(0.750)	190	1888490000	1888390000
7	22.86	(0.900)	190	1888500000	1888400000
8	26.67	(1.050)	190	1888510000	1888410000
9	30.48	(1.200)	190	1888520000	1888420000
10	34.29	(1.350)	190	1888530000	1888430000
11	38.10	(1.500)	190	1888540000	1888440000

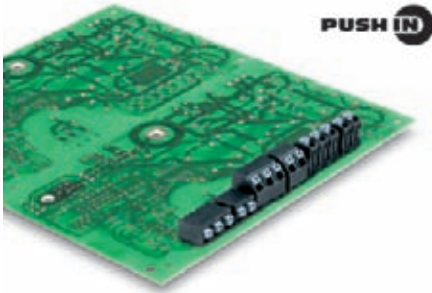
Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	190	1887550000	1887340000
3	7.00	(0.276)	190	1887560000	1887350000
4	10.50	(0.413)	190	1887580000	1887360000
5	14.00	(0.551)	190	1887630000	1887460000
6	17.50	(0.689)	190	1887640000	1887470000
7	21.00	(0.827)	190	1887650000	1887480000
8	24.50	(0.965)	190	1887660000	1887490000
9	28.00	(1.102)	190	1887670000	1887500000
10	31.50	(1.240)	190	1887680000	1887510000
11	35.00	(1.378)	190	1887690000	1887520000
12	38.50	(1.516)	190	1887700000	1887530000

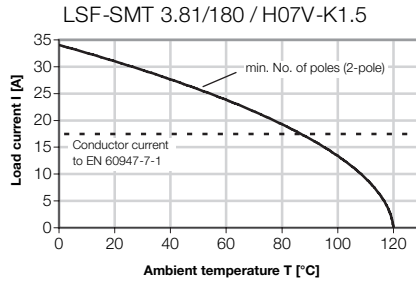
Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

LSF-SMT 3.81/180
LSF-SMT 3.50/180



Derating curve



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 180°.

- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Technical data

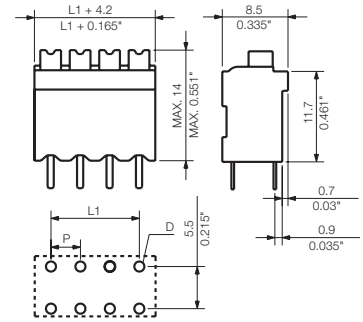
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LSF-SMT 3.81/180
LSF-SMT 3.50/180

Reflow-compatible PCB terminal



Ordering data

Solder pin length	1.5 mm	3.5 mm		
Colour of plastic	black	black		
Pitch 3.81 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	3.81 (0.150)	69	1869890000	1825790000
3	7.62 (0.300)	46	1869900000	1825800000
4	11.43 (0.450)	35	1869910000	1825810000
5	15.24 (0.600)	28	1869920000	1825820000
6	19.05 (0.750)	23	1869930000	1825830000
7	22.86 (0.900)	20	1869940000	1825840000
8	26.67 (1.050)	17	1869950000	1825850000
9	30.48 (1.200)	15	1869960000	1825870000
10	34.29 (1.350)	14	1869970000	1825880000
11	38.10 (1.500)	13	1870000000	1825890000
12	41.91 (1.650)	12	1870010000	1825920000
13	45.72 (1.800)	11	1870020000	1870900000
14	49.53 (1.950)	10	1870030000	1870910000
15	53.34 (2.100)	9	1870040000	1870920000
16	57.15 (2.250)	9	1870050000	1870930000
17	60.96 (2.400)	8	1870060000	1870940000
18	64.77 (2.550)	8	1870070000	1870950000
19	68.58 (2.700)	7	1870080000	1870960000
20	72.39 (2.850)	7	1870090000	1870970000
21	76.20 (3.000)	6	1870100000	1870980000
22	80.01 (3.150)	6	1870110000	1870990000
23	83.82 (3.300)	6	1870120000	1871000000
24	87.63 (3.450)	6	1870130000	1871010000
Pitch 3.50 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	71	1870640000	1825640000
3	7.00 (0.276)	49	1870650000	1825650000
4	10.50 (0.413)	37	1870660000	1825660000
5	14.00 (0.551)	30	1870670000	1825670000
6	17.50 (0.689)	25	1870680000	1825680000
7	21.00 (0.827)	21	1870690000	1825690000
8	24.50 (0.965)	19	1870700000	1825700000
9	28.00 (1.102)	17	1870710000	1825710000
10	31.50 (1.240)	15	1870720000	1825720000
11	35.00 (1.378)	14	1870730000	1825730000
12	38.50 (1.516)	12	1870740000	1825740000
13	42.00 (1.654)	11	1870750000	1870350000
14	45.50 (1.791)	11	1870760000	1870360000
15	49.00 (1.929)	10	1870770000	1870370000
16	52.50 (2.067)	9	1870790000	1870510000
17	56.00 (2.205)	9	1870800000	1870520000
18	59.50 (2.343)	8	1870830000	1870540000
19	63.00 (2.480)	8	1870840000	1870560000
20	66.50 (2.618)	7	1870850000	1870570000
21	70.00 (2.756)	7	1870860000	1870600000
22	73.50 (2.894)	7	1870870000	1870610000
23	77.00 (3.031)	6	1870880000	1870620000
24	80.50 (3.169)	6	1870890000	1870630000

LSF-SMT 3.81/180 Tape
LSF-SMT 3.50/180 Tape

Reflow-compatible PCB terminal



Accessories

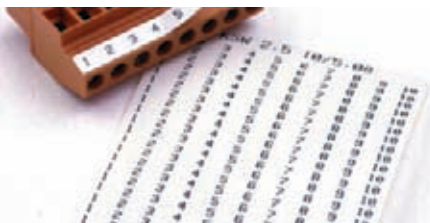
Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	175	1875320000	1875550000
3	7.62	(0.300)	175	1875330000	1875570000
4	11.43	(0.450)	175	1875340000	1875590000
5	15.24	(0.600)	175	1875350000	1875650000
6	19.05	(0.750)	175	1875360000	1875670000
7	22.86	(0.900)	175	1875370000	1875680000
8	26.67	(1.050)	175	1875380000	1875710000
9	30.48	(1.200)	175	1875390000	1875730000
10	34.29	(1.350)	175	1875400000	1875760000
11	38.10	(1.500)	175	1875410000	1875810000

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	175	1874490000	1874510000
3	7.00	(0.276)	175	1874300000	1874520000
4	10.50	(0.413)	175	1874280000	1874540000
5	14.00	(0.551)	175	1874310000	1874560000
6	17.50	(0.689)	175	1874320000	1874590000
7	21.00	(0.827)	175	1874340000	1874600000
8	24.50	(0.965)	175	1874350000	1874610000
9	28.00	(1.102)	175	1874370000	1874620000
10	31.50	(1.240)	175	1874380000	1874640000
11	35.00	(1.378)	175	1874400000	1874660000
12	38.50	(1.516)	150	1874420000	1874680000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

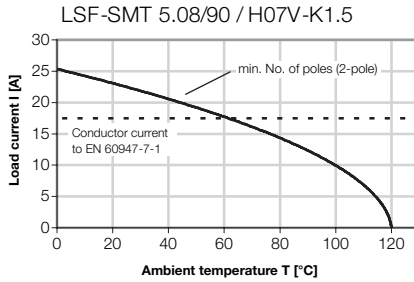
LSF-SMT 5.08/90
LSF-SMT 5.00/90



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 90°.

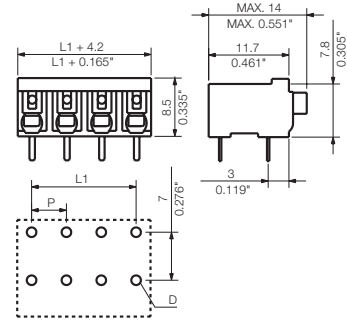
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 5.08/90
LSF-SMT 5.00/90

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	1.5 mm	3.5 mm		
Colour of plastic	black	black		
Pitch 5.08 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	5.08 (0.200)	59	1869670000	1824810000
3	10.16 (0.400)	38	1869680000	1824820000
4	15.24 (0.600)	28	1869690000	1824830000
5	20.32 (0.800)	22	1869700000	1824840000
6	25.40 (1.000)	18	1869710000	1824850000
7	30.48 (1.200)	15	1869720000	1824860000
8	35.56 (1.400)	13	1869730000	1824870000
Pitch 5.00 mm				
Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	5.00 (0.197)	60	1869600000	1824740000
3	10.00 (0.394)	39	1869610000	1824750000
4	15.00 (0.591)	28	1869620000	1824760000
5	20.00 (0.787)	22	1869630000	1824770000
6	25.00 (0.984)	18	1869640000	1824780000
7	30.00 (1.181)	16	1869650000	1824790000
8	35.00 (1.378)	14	1869660000	1824800000

LSF-SMT 5.08/90 Tape
LSF-SMT 5.00/90 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	265	1876480000	1876470000
3	10.16	(0.400)	265	1876440000	1876420000
4	15.24	(0.600)	265	1878520000	1876310000
5	20.32	(0.800)	265	1876210000	1876190000
6	25.40	(1.000)	265	1876150000	1876120000
7	30.48	(1.200)	265	1875720000	1875690000
8	35.56	(1.400)	265	1875520000	1875510000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	265	1876240000	1876430000
3	10.00	(0.394)	265	1876260000	1876510000
4	15.00	(0.591)	265	1876270000	1876530000
5	20.00	(0.787)	265	1876280000	1876550000
6	25.00	(0.984)	265	1876300000	1876560000
7	30.00	(1.181)	265	1876330000	1876540000
8	35.00	(1.378)	265	1876350000	1876520000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

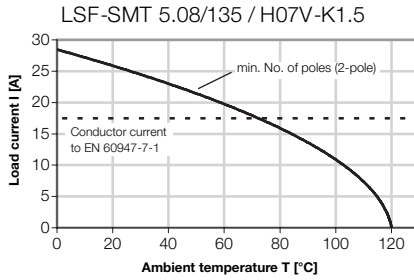
LSF-SMT 5.08/135
LSF-SMT 5.00/135



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 135°.

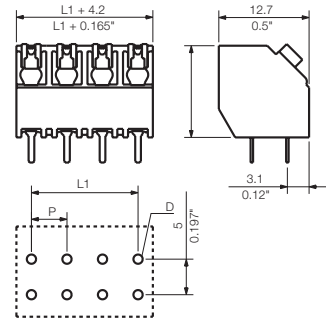
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 5.08/135
LSF-SMT 5.00/135

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		

Rated current at ambient temperature

	A	20°C	40°C
		17.5	17.5

Overvoltage category

		III	III	II
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Pollution severity

		3	2	2
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Rated voltage	V	250	320	500
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		B	C	D
--	--	---	---	---

Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	

CSA C22.2 rated data

		B	C	D
--	--	---	---	---

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	

Material data

Type of insulating material	LCP GF
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	59	1884730000	1885020000
3	10.16	(0.400)	38	1884740000	1885030000
4	15.24	(0.600)	28	1884750000	1885040000
5	20.32	(0.800)	22	1884760000	1885050000
6	25.40	(1.000)	18	1884770000	1885060000
7	30.48	(1.200)	15	1884780000	1885070000
8	35.56	(1.400)	13	1884790000	1885080000
9	40.64	(1.600)	12	1884800000	1885090000
10	45.72	(1.800)	11	1884810000	1885100000
11	50.80	(2.000)	10	1884820000	1885110000
12	55.88	(2.200)	9	1884830000	1885120000
13	60.96	(2.400)	8	1884840000	1885130000
14	66.04	(2.600)	7	1884850000	1885140000
15	71.12	(2.800)	7	1884860000	1885150000
16	76.20	(3.000)	6	1884870000	1885160000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	60	1884530000	1884340000
3	10.00	(0.394)	39	1884540000	1884370000
4	15.00	(0.591)	28	1884550000	1884380000
5	20.00	(0.787)	22	1884560000	1884390000
6	25.00	(0.984)	18	1884570000	1884400000
7	30.00	(1.181)	16	1884580000	1884410000
8	35.00	(1.378)	14	1884590000	1884420000
9	40.00	(1.575)	12	1884600000	1884430000
10	45.00	(1.772)	11	1884660000	1884440000
11	50.00	(1.969)	10	1884670000	1884450000
12	55.00	(2.165)	9	1884680000	1884460000
13	60.00	(2.362)	8	1884690000	1884470000
14	65.00	(2.559)	8	1884700000	1884500000
15	70.00	(2.756)	7	1884710000	1884510000
16	75.00	(2.953)	6	1884720000	1884520000

LSF-SMT 5.08/135 Tape
LSF-SMT 5.00/135 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	190	1888710000	1888780000
3	10.16	(0.400)	190	1888720000	1888790000
4	15.24	(0.600)	190	1888730000	1888810000
5	20.32	(0.800)	190	1888740000	1888830000
6	25.40	(1.000)	190	1888750000	1888840000
7	30.48	(1.200)	190	1888760000	1888870000
8	35.56	(1.400)	190	1888770000	1888880000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	190	1888570000	1888640000
3	10.00	(0.394)	190	1888580000	1888650000
4	15.00	(0.591)	190	1888590000	1888660000
5	20.00	(0.787)	190	1888600000	1888670000
6	25.00	(0.984)	190	1888610000	1888680000
7	30.00	(1.181)	190	1888620000	1888690000
8	35.00	(1.378)	190	1888630000	1888700000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

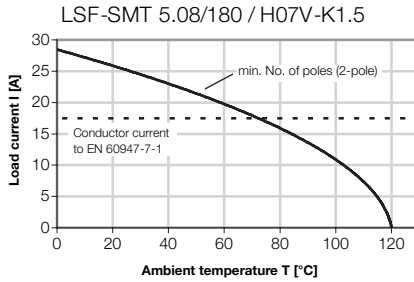
LSF-SMT 5.08/180
LSF-SMT 5.00/180



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 180°.

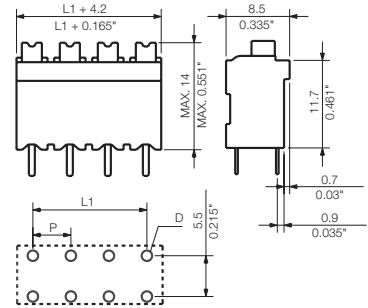
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 5.08/180
LSF-SMT 5.00/180

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	1.5 mm	3.5 mm	
Colour of plastic	black	black	
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	59	1870210000
3	10.16 (0.394)	38	1870220000
4	15.24 (0.600)	28	1870230000
5	20.32 (0.800)	22	1870240000
6	25.40 (1.000)	18	1870250000
7	30.48 (1.200)	15	1870260000
8	35.56 (1.400)	13	1870270000
Pitch 5.00 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.00 (0.197)	60	1870140000
3	10.00 (0.394)	39	1870150000
4	15.00 (0.591)	28	1870160000
5	20.00 (0.787)	22	1870170000
6	25.00 (0.984)	18	1870180000
7	30.00 (1.181)	16	1870190000
8	35.00 (1.378)	14	1870200000

LSF-SMT 5.08/180 Tape
LSF-SMT 5.00/180 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	175	1876500000	1876490000
3	10.16	(0.400)	175	1876460000	1876450000
4	15.24	(0.600)	175	1876410000	1876360000
5	20.32	(0.800)	175	1876290000	1876250000
6	25.40	(1.000)	175	1876180000	1876170000
7	30.48	(1.200)	175	1876100000	1875750000
8	35.56	(1.400)	175	1875610000	1875580000

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	175	1876020000	1876110000
3	10.00	(0.394)	175	1876030000	1876130000
4	15.00	(0.591)	175	1876050000	1876140000
5	20.00	(0.787)	175	1876060000	1876160000
6	25.00	(0.984)	175	1876070000	1876200000
7	30.00	(1.181)	175	1876080000	1876220000
8	35.00	(1.378)	175	1876090000	1876230000

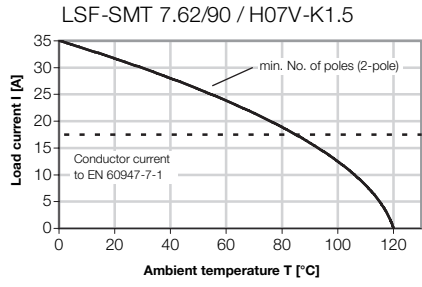
Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

LSF-SMT 7.62/90
LSF-SMT 7.50/90



Derating curve



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 90°.

- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

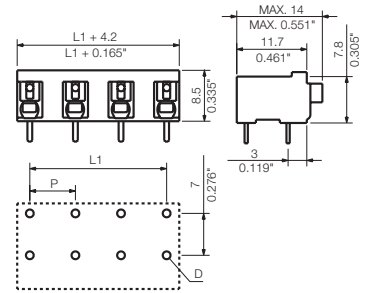
Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	500	630
Rated impulse voltage	kV	6	6
UL 1059 rated data			
		B	C
Nominal voltage	V	300	150
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	150
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LSF-SMT 7.62/90
LSF-SMT 7.50/90

Reflow-compatible PCB terminal



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	46	1869260000	1824950000
3	15.24	(0.600)	28	1869270000	1824960000
4	22.86	(0.900)	20	1869280000	1824970000
5	30.48	(1.200)	15	1869290000	1824980000
6	38.10	(1.500)	13	1869300000	1824990000
7	45.72	(1.800)	11	1869310000	1825000000
8	53.34	(2.100)	9	1869320000	1825010000

Pitch 7.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	47	1869740000	1824880000
3	15.00	(0.591)	28	1869750000	1824890000
4	22.50	(0.886)	20	1869760000	1824900000
5	30.00	(1.181)	16	1869770000	1824910000
6	37.50	(1.476)	13	1869780000	1824920000
7	45.00	(1.772)	11	1869790000	1824930000
8	52.50	(2.067)	9	1869800000	1824940000

LSF-SMT 7.62/90 Tape
LSF-SMT 7.50/90 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	265	1874700000	1874670000
3	15.24	(0.600)	265	1874570000	1874550000
4	22.86	(0.900)	265	1874480000	1874470000
5	30.48	(1.200)	265	1874430000	1874410000
6	38.10	(1.500)	265	1874330000	1874290000

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	265	1875480000	1875470000
3	15.00	(0.591)	265	1875440000	1875430000
4	22.50	(0.886)	265	1875040000	1875020000
5	30.00	(1.181)	265	1874980000	1874960000
6	37.50	(1.476)	265	1874910000	1874880000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

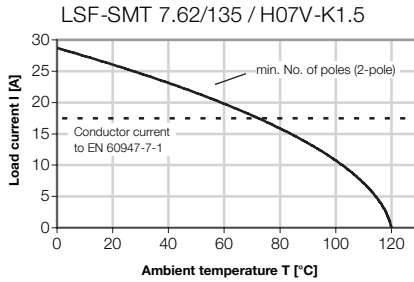
LSF-SMT 7.62/135
LSF-SMT 7.50/135



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 135°.

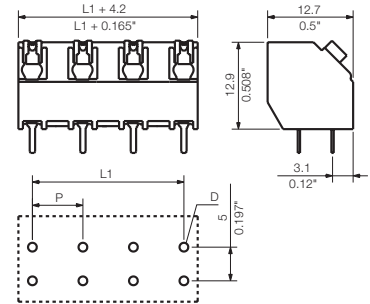
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 7.62/135
LSF-SMT 7.50/135

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade according to norm	mm		
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	500	630
Rated impulse voltage	kV	6	6
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		24-16	
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

- Information**
- Additional colours on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Wire end ferrule without plastic collar to DIN 46228 pt 1
 - The data given under CSA relates to a cUL approval - E60693
 - P on drg. = pitch
 - Hole diameter D = 1.1+0.1mm
 - Operating force of slider max. 40 N
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	46	1884950000	1886180000
3	15.24	(0.600)	28	1884960000	1886190000
4	22.86	(0.900)	20	1884970000	1886200000
5	30.48	(1.200)	15	1884980000	1886210000
6	38.10	(1.500)	13	1884990000	1886220000
7	45.72	(1.800)	11	1885000000	1886230000
8	53.34	(2.100)	9	1885010000	1886240000

Pitch 7.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	47	1884880000	1886110000
3	15.00	(0.591)	28	1884890000	1886120000
4	22.50	(0.886)	20	1884900000	1886130000
5	30.00	(1.181)	16	1884910000	1886140000
6	37.50	(1.476)	13	1884920000	1886150000
7	45.00	(1.772)	11	1884930000	1886160000
8	52.50	(2.067)	9	1884940000	1886170000

LSF-SMT 7.62/135 Tape
LSF-SMT 7.50/135 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	190	1887110000	1887160000
3	15.24	(0.600)	190	1887120000	1887170000
4	22.86	(0.900)	190	1887130000	1887180000
5	30.48	(1.200)	190	1887140000	1887190000
6	38.10	(1.500)	190	1887150000	1887200000

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	190	1888900000	1888970000
3	15.00	(0.591)	190	1888910000	1888990000
4	22.50	(0.886)	190	1888930000	1889000000
5	30.00	(1.181)	190	1888940000	1889020000
6	37.50	(1.476)	190	1888950000	1889030000

Tape widths: 32, 44, 56, 72, 88

THR PCB Terminals with Push In connection

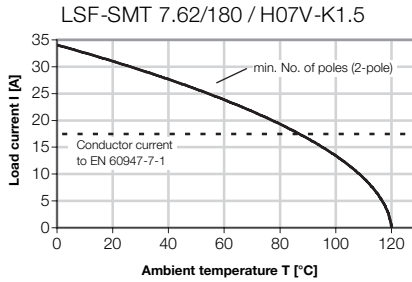
LSF-SMT 7.62/180
LSF-SMT 7.50/180



PCB terminal for fully automatic assembly in reflow soldering (SMT), with Push In conductor connection system. Conductor inserted and slider operated in same direction (TOP). Packaged in tube or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm. Conductor outlet direction 180°.

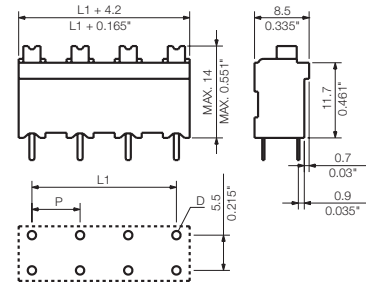
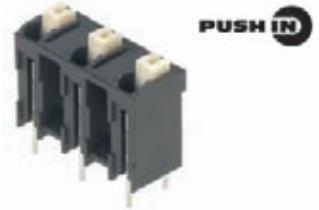
- 0.2 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

Derating curve



LSF-SMT 7.62/180
LSF-SMT 7.50/180

Reflow-compatible PCB terminal



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5		
Solid H05(07) V-U	mm ²	0.2...1.5		
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²	0.2...1.5		
Flexible with ferrule	mm ²	0.25...1.5		
Ferrule with plastic collar	mm ²	0.25...0.75		
Stripping length	mm	8		
Screwdriver blade according to norm	mm			
Tightening torque range	Nm			

Rated current at ambient temperature		20°C	40°C	
	A	17.5	17.5	

Overvoltage category		III	III	II
Pollution severity		3	2	2

Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6

UL 1059 rated data		B	C	D	
	Nominal voltage	V	300	150	300
	Rated current	A	10	10	10
	AWG conductor		24-16		

CSA C22.2 rated data		B	C	D	
	Rated voltage	V	300	150	300
	Rated current	A	10	10	10
	AWG conductor		24-16		

Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Material of contact surface		tinned		

Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- The data given under CSA relates to a cUL approval - E60693
- P on drg. = pitch
- Hole diameter D = 1.1+0.1mm
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	46	1869810000	1826210000
3	15.24	(0.600)	28	1869830000	1826220000
4	22.86	(0.900)	20	1869840000	1826230000
5	30.48	(1.200)	15	1869850000	1826240000
6	38.10	(1.500)	13	1869860000	1826250000
7	45.72	(1.800)	11	1869870000	1826260000
8	53.34	(2.100)	9	1869880000	1826270000

Pitch 7.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	47	1870280000	1826130000
3	15.00	(0.591)	28	1870290000	1826140000
4	22.50	(0.886)	20	1870300000	1826150000
5	30.00	(1.181)	16	1870310000	1826160000
6	37.50	(1.476)	13	1870320000	1826170000
7	45.00	(1.772)	11	1870330000	1826180000
8	52.50	(2.067)	9	1870340000	1826190000

LSF-SMT 7.62/180 Tape
LSF-SMT 7.50/180 Tape

Reflow-compatible PCB terminal



Accessories

Possible colors

Additional colours on request



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.5 mm
Colour of plastic	black	black

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	175	1874870000	1874750000
3	15.24	(0.600)	175	1874650000	1874630000
4	22.86	(0.900)	175	1874530000	1874500000
5	30.48	(1.200)	175	1874450000	1874460000
6	38.10	(1.500)	175	1874390000	1874360000

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	175	1875500000	1875490000
3	15.00	(0.591)	175	1875460000	1875450000
4	22.50	(0.886)	175	1875090000	1875060000
5	30.00	(1.181)	175	1875010000	1875000000
6	37.50	(1.476)	175	1874950000	1874920000

Tape widths: 32, 44, 56, 72, 88

