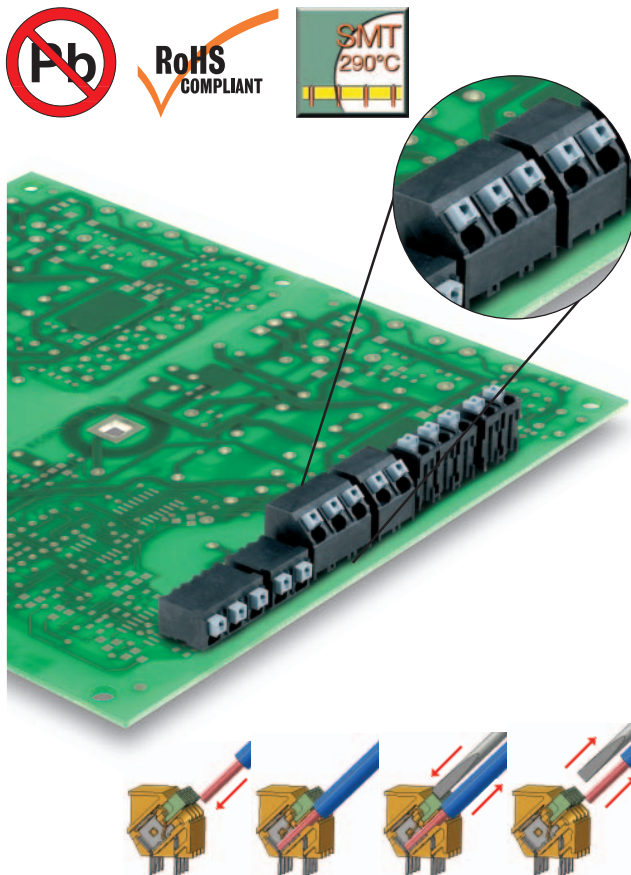


LSF-SMT 135°

PCB terminal block for lead-free soldering processes with innovative connection technology: "Push In"



The "Push In" direct-connection terminal connector system ensures short wiring times: reductions of up to 50% for the "connect conductor" workstep compared to leaf-spring connector terminals. A spring-action release button in the direction of conductor connection (=TOP System) opens the clamping point for small cross sections such as unprepared, flexible-wire conductors and for changing conductors.

Modern, high-temperature insulating materials (LCP) ensure fulfilment of all requirements for lead-free soldering processes.

Compact design and packaging (tape-on-reel) suitable for automatic machines make possible full-integration into existing SMT lines and thus contribute to additional cost savings in the manufacturing of electronic assemblies.

- Free selection of pitch in the layout:
3.5, 3.81, 5.00, 5.08, 7.50, 7.62mm
- Free selection of the voltage class:
160, 250, 500 Volt in accord. with IEC 664-1
- Free selection of the machining:
post length: 3.5mm or 1.5mm
(optimised for SMT-/THR-processes)

United Kingdom

Weidmüller Ltd.
1 Abbey Wood Road
Kings Hill
West Malling
Kent ME19 4YT
Phone +44 1732 877000
Fax +44 1732 873873
info@weidmuller.co.uk
www.weidmuller.com

USA

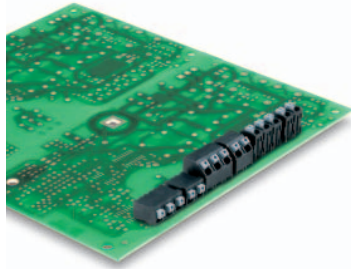
W-Interconnections, Inc.
821 Southlake Boulevard,
Richmond, VA 23236
Phone +1 804 7942877
Fax +1 804 3792593
info@weidmuller.com
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Other countries

Weidmüller Interface GmbH & Co. KG
P.O. Box 3030
32720 Detmold
Phone +49 5231 14-0
Fax +49 5231 14-20 83
info@weidmuller.com
www.weidmuller.com

Spring connection

LSF-SMT 3.81 LSF-SMT 3.50

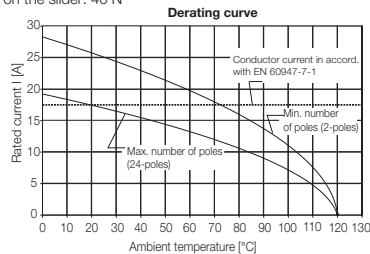


- 0.14 – 1.5mm² (IEC) / 24 – 16 AWG (UL)
- 160V (IEC) / 300V (UL)
- 17.5A (IEC) / 10A (UL)

Technical Data

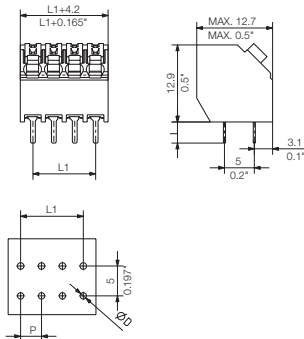
Ratings acc. to IEC 60664-1			
Max. clamping area	mm ²	0.14...1.50	
Sing. core H05(07) V-U	mm ²	0.50...1.50	
Mult. core H07 V-R	mm ²		
Flex. wire cond. H05(07) V-K	mm ²	0.50...1.50	
Flex. wire cond. with AEH	mm ²	0.25...1.50	
AEH with plast. collar	mm ²	0.25...0.75	
Stripping length	mm	8.0 + 1.0	
Rated current at ambient temperature			
	A	20°C	40°C
		17.5	17.5
Overvoltage cat.			
		III	III II
Soiling level			
		3	2 2
Rated voltage	V	160	160 320
Rated surge voltage	kV	2.5	2.5 2.5
UL 1059 rated data - E60693			
		B	C D
Rated voltage	V	300	300
Rated current	A	12.0	10.0
AWG conductor			26-16
CSA C22.2 rated data - LR12400			
		B	C D
Rated voltage	V	300	300
Rated current	A	12.0	10.0
AWG conductor			26-16
Material data			
Type of insulation			LCP GF
Combustibility class			V-0
Base material of the contact			Cu alloy
Material of the cont. surface			tin-plated

- ### Notices
- Rated currents are based on rated cross section and min. num. of pins
 - AEH without plastic collar acc. to DIN 46228/1
 - The data listed under CSA refer to a cUL-permit - E60693
 - Drilled hole dia. D = 1.1 + 0.1mm
 - Drawing legend P = pitch
 - The maximum operating force to be exerted on the slider: 40 N



LSF-SMT 3.5 (3.81) Conductor H07V-K1.5

LSF-SMT 3.81/135 LSF-SMT 3.5/135

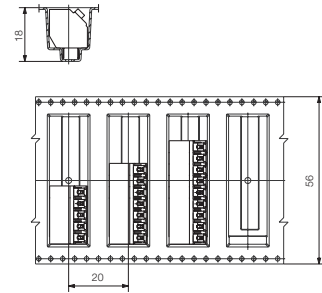


Ordering data

Soldering post length		1.5 mm	3.5 mm
Colour		black	black
Pitch 3.81 mm			
Pins	L1 mm (inch)	VPE	Ord. No.
2	3.81 (0.150)	100	1885410000
3	7.62 (0.300)	100	1885420000
4	11.43 (0.450)	100	1885430000
5	15.24 (0.600)	50	1885440000
6	19.05 (0.750)	50	1885450000
7	22.86 (0.900)	50	1885460000
8	26.67 (1.050)	50	1885470000
9	30.48 (1.200)	50	1885480000
10	34.29 (1.350)	50	1885490000
11	38.10 (1.500)	50	1885510000
12	41.91 (1.650)	50	1885520000
13	45.72 (1.800)	50	1885530000
14	49.53 (1.950)	50	1885540000
15	53.34 (2.100)	50	1885550000
16	57.15 (2.250)	50	1885560000
17	60.96 (2.400)	20	1885570000
18	64.77 (2.550)	20	1885580000
19	68.58 (2.700)	20	1885590000
20	72.39 (2.850)	20	1885600000
21	76.20 (3.000)	20	1885610000
22	80.01 (3.150)	20	1885620000
23	83.82 (3.300)	20	1885630000
24	87.63 (3.450)	20	1885640000

Pitch 3.50 mm			
Pins	L1 mm (inch)	VPE	Ord. No.
2	3.50 (0.138)	100	1885180000
3	7.00 (0.276)	100	1885190000
4	10.50 (0.413)	100	1885200000
5	14.00 (0.551)	50	1885210000
6	17.50 (0.689)	50	1885220000
7	21.00 (0.827)	50	1885230000
8	24.50 (0.965)	50	1885240000
9	28.00 (1.102)	50	1885250000
10	31.50 (1.240)	50	1885260000
11	35.00 (1.378)	50	1885270000
12	38.50 (1.516)	50	1885280000
13	42.00 (1.654)	50	1885290000
14	45.50 (1.791)	50	1885300000
15	49.00 (1.929)	50	1885310000
16	52.50 (2.067)	50	1885320000
17	56.00 (2.205)	20	1885330000
18	59.50 (2.343)	20	1885340000
19	63.00 (2.480)	20	1885350000
20	66.50 (2.618)	20	1885360000
21	70.00 (2.756)	20	1885370000
22	73.50 (2.894)	20	1885380000
23	77.00 (3.031)	20	1885390000
24	80.50 (3.169)	20	1885400000

LSF-SMT 3.81/135 Tape LSF-SMT 3.5/135 Tape



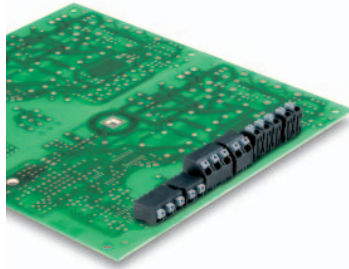
Ordering data

Soldering post length		1.5 mm	3.5 mm
Colour		black	black
Pitch 3.81 mm			
Pins	L1 mm (inch)	VPE	Ord. No.
2	3.81 (0.150)	150	1888450000
3	7.62 (0.300)	150	1888460000
4	11.43 (0.450)	150	1888470000
5	15.24 (0.600)	150	1888480000
6	19.05 (0.750)	150	1888490000
7	22.86 (0.900)	150	1888500000
8	26.67 (1.050)	150	1888510000
9	30.48 (1.200)	150	1888520000
10	34.29 (1.350)	150	1888530000
11	38.10 (1.500)	150	1888540000

Pitch 3.50 mm			
Pins	L1 mm (inch)	VPE	Ord. No.
2	3.50 (0.138)	150	1887550000
3	7.00 (0.276)	150	1887560000
4	10.50 (0.413)	150	1887580000
5	14.00 (0.551)	150	1887630000
6	17.50 (0.689)	150	1887640000
7	21.00 (0.827)	150	1887650000
8	24.50 (0.965)	150	1887660000
9	28.00 (1.102)	150	1887670000
10	31.50 (1.240)	150	1887680000
11	35.00 (1.378)	150	1887690000
12	38.50 (1.516)	150	1887700000

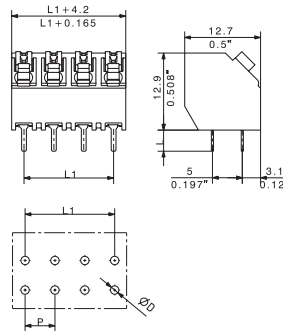
Spring connection

LSF-SMT 5.08 LSF-SMT 5.00

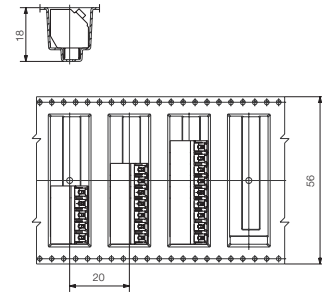


- 0.14 – 1.5mm² (IEC) / 24 – 16 AWG (UL)
- 250V (IEC) / 300V (UL)
- 17.5A (IEC) / 10A (UL)

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



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



Technical Data

Ratings acc. to IEC 60664-1

Max. clamping area	mm ²	0.14...1.50
Sing. core H05(07) V-U	mm ²	0.50...1.50
Mult. core H07 V-R	mm ²	
Flex. wire cond. H05(07) V-K	mm ²	0.50...1.50
Flex. wire cond. with AEH	mm ²	0.25...1.50
AEH with plast. collar	mm ²	0.25...0.75
Stripping length	mm	8.0 + 1.0

Rated current

at ambient temperature

	20°C	40°C
A	17.5	17.5

Overvoltage cat.

	III	III	II
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Soiling level

	3	2	2
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Rated voltage	V	250	320	500
Rated surge voltage	kV	4.0	4.0	4.0

UL 1059 rated data - E60693

	B	C	D
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Rated voltage	V	300	300
Rated current	A	12.0	10.0
AWG conductor		26-16	

CSA C22.2 rated data - LR12400

	B	C	D
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Rated voltage	V	300	50*	300
Rated current	A	12.0		10.0
AWG conductor		26-16		

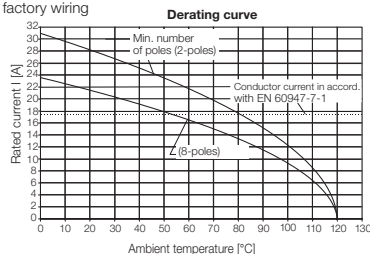
Material data

Type of insulation	LCP GF
Combustibility class	V-0
Base material of the contact	Cu alloy
Material of the cont. surface	tin-plated

Notices

- Rated currents are based on rated cross section and min. num. of pins
- AEH without plastic collar acc. to DIN 46228/1
- The data listed under CSA refer to a cUL-permit - E60693
- Drilled hole dia. D = 1.1 + 0.1mm
- Drawing legend P = pitch
- The maximum operating force to be exerted on the slider: 40 Ne

* factory wiring



LSF-SMT 5.00 (5.08) Conductor H07V-K1.5

Ordering data

Soldering post length	1.5 mm	3.5 mm
Colour	black	black

Pitch 5.08 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	5.08	(0.200)	100	1884730000	1885020000
3	10.16	(0.400)	100	1884740000	1885030000
4	15.24	(0.600)	100	1884750000	1885040000
5	20.32	(0.800)	50	1884760000	1885050000
6	25.40	(1.000)	50	1884770000	1885060000
7	30.48	(1.200)	50	1884780000	1885070000
8	35.56	(1.400)	50	1884790000	1885080000
9	40.64	(1.600)	50	1884800000	1885090000
10	45.72	(1.800)	50	1884810000	1885100000
11	50.80	(2.000)	50	1884820000	1885110000
12	55.88	(2.200)	50	1884830000	1885120000
13	60.96	(2.400)	50	1884840000	1885130000
14	66.04	(2.600)	50	1884850000	1885140000
15	71.12	(2.800)	50	1884860000	1885150000
16	76.20	(3.000)	50	1884870000	1885160000

Pitch 5.00 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	5.00	(0.197)	100	1884530000	1884340000
3	10.00	(0.394)	100	1884540000	1884370000
4	15.00	(0.591)	100	1884550000	1884380000
5	20.00	(0.787)	50	1884560000	1884390000
6	25.00	(0.984)	50	1884570000	1884400000
7	30.00	(1.181)	50	1884580000	1884410000
8	35.00	(1.378)	50	1884590000	1884420000
9	40.00	(1.575)	50	1884600000	1884430000
10	45.00	(1.772)	50	1884660000	1884440000
11	50.00	(1.969)	50	1884670000	1884450000
12	55.00	(2.165)	50	1884680000	1884460000
13	60.00	(2.362)	50	1884690000	1884470000
14	65.00	(2.559)	50	1884700000	1884500000
15	70.00	(2.756)	50	1884710000	1884510000
16	75.00	(2.953)	50	1884720000	1884520000

Ordering data

Soldering post length	1.5 mm	3.5 mm
Colour	black	black

Pitch 5.08 mm

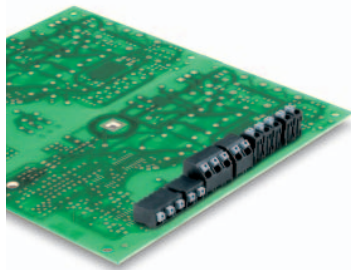
Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	5.08	(0.200)	150	1888710000	1888780000
3	10.16	(0.400)	150	1888720000	1888790000
4	15.24	(0.600)	150	1888730000	1888810000
5	20.32	(0.800)	150	1888740000	1888830000
6	25.40	(1.000)	150	1888750000	1888840000
7	30.48	(1.200)	150	1888760000	1888870000
8	35.56	(1.400)	150	1888770000	1888880000

Pitch 5.00 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	5.00	(0.197)	150	1888570000	1888640000
3	10.00	(0.394)	150	1888580000	1888650000
4	15.00	(0.591)	150	1888590000	1888660000
5	20.00	(0.787)	150	1888600000	1888670000
6	25.00	(0.984)	150	1888610000	1888680000
7	30.00	(1.181)	150	1888620000	1888690000
8	35.00	(1.378)	150	1888630000	1888700000

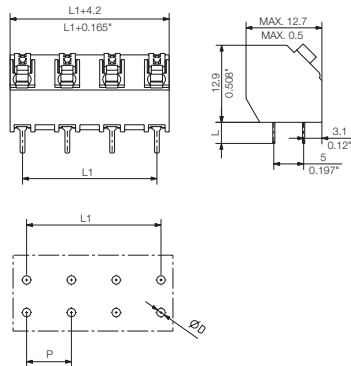
Spring connection

LSF-SMT 7.62 LSF-SMT 7.50

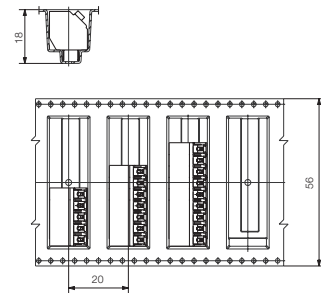


- 0.14 – 1.5mm² (IEC) / 24 – 16 AWG (UL)
- 500V (IEC) / 300V (UL)
- 17.5A (IEC) / 10A (UL)

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



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



Technical Data

Ratings acc. to IEC 60664-1

Max. clamping area	mm ²	0.14...1.50
Sing. core H05(07) V-U	mm ²	0.50...1.50
Mult. core H07 V-R	mm ²	
Flex. wire cond. H05(07) V-K	mm ²	0.50...1.50
Flex. wire cond. with AEH	mm ²	0.25...1.50
AEH with plast. collar	mm ²	0.25...0.75
Stripping length	mm	8.0 + 1.0

Rated current

at ambient temperature

		20°C	40°C
A		17.5	17.5

Overvoltage cat.

		III	III	II
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Soiling level

		3	2	2
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Rated voltage	V	500	630	800
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Rated surge voltage	kV	6.0	6.0	6.0
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UL 1059 rated data - E60693

		B	C	D
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Rated voltage	V	300	150	300
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Rated current	A	12.0	12.0	10.0
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AWG conductor		26-16		
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CSA C22.2 rated data - LR12400

		B	C	D
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Rated voltage	V	300	150	300
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Rated current	A	12.0	12.0	10.0
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AWG conductor		26-16		
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Material data

Type of insulation		LCP GF
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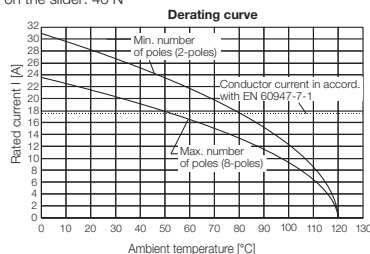
Combustibility class		V-0
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Base material of the contact		Cu alloy
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Material of the cont. surface		tin-plated
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Notices

- Rated currents are based on rated cross section and min. num. of pins
- AEH without plastic collar acc. to DIN 46228/1
- The data listed under CSA refer to a cUL-permit - E60693
- Drilled hole dia. D = 1.1 + 0.1mm
- Drawing legend P = pitch
- The maximum operating force to be exerted on the slider: 40 N



LSF-SMT 7.50 (7.62) Conductor H07V-K1.5

Ordering data

Soldering post length	1.5 mm	3.5 mm
Colour	black	black

Pitch 7.62 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	7.62	(0.300)	100	1884950000	1886180000
3	15.24	(0.600)	100	1884960000	1886190000
4	22.86	(0.900)	100	1884970000	1886200000
5	30.48	(1.200)	50	1884980000	1886210000
6	38.10	(1.500)	50	1884990000	1886220000
7	45.72	(1.800)	50	1885000000	1886230000
8	53.34	(2.100)	50	1885010000	1886240000

Pitch 7.50 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	7.50	(0.295)	100	1884880000	1886110000
3	15.00	(0.591)	100	1884890000	1886120000
4	22.50	(0.886)	100	1884900000	1886130000
5	30.00	(1.181)	50	1884910000	1886140000
6	37.50	(1.476)	50	1884920000	1886150000
7	45.00	(1.772)	50	1884930000	1886160000
8	52.50	(2.067)	50	1884940000	1886170000

Ordering data

Soldering post length	1.5 mm	3.5 mm
Colour	black	black

Pitch 7.62 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	7.62	(0.300)	150	1887110000	1887160000
3	15.24	(0.600)	150	1887120000	1887170000
4	22.86	(0.900)	150	1887130000	1887180000
5	30.48	(1.200)	150	1887140000	1887190000
6	38.10	(1.500)	150	1887150000	1887200000

Pitch 7.50 mm

Pins	L1 mm	(inch)	VPE	Ord. No.	Ord. No.
2	7.50	(0.295)	150	1888890000	1888970000
3	15.00	(0.591)	150	1888910000	1888990000
4	22.50	(0.886)	150	1888930000	1889000000
5	30.00	(1.181)	150	1888940000	1889020000
6	37.50	(1.476)	150	1888950000	1889030000