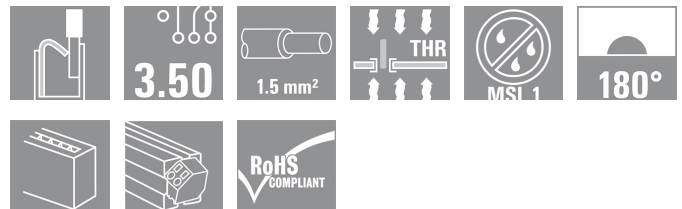


LSF
LSF-SMT 3.50/06/180 3.5SN BK TU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



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). Packed in box or as tape on reel. Pin lengths optimised at 1.5 mm or 3.5 mm.

- 0.20 - 1.5 mm² (IEC) / 24 - 16 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 12 A (UL)

General ordering data

Order No.	1825680000
Type	LSF-SMT 3.50/06/180 3.5SN BK TU
Version	PCB terminal, 3.50 mm, No. of poles: 6, 180°, Solder pin length (l): 3.5 mm, tinned, Black, PUSH IN, Clamping range, rated connection, max.: 1.5 mm ² , Tube
GTIN (EAN)	4032248328277
Qty.	25 pc(s).
Product data	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 12 A / AWG 24 - AWG 16
Packaging	Tube

Creation date July 2, 2012 11:53:40 AM CEST

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Technical data
Dimensions

Net weight 4.52 g

System characteristics

Product family	LSF	Conductor connection system	PUSH IN
Mounting onto the PCB	Reflow solder connection	Outgoing direction of conductor	180°
Pitch in mm (P)	3.5 mm	Pitch in inches (P)	0.138 inch
No. of poles	6	Fitted by customer	No
Number of rows	1	Solder pin length (l)	3.5 mm
Solder eyelet hole diameter (D)	1.1 mm	Solder eyelet hole diameter tolerance (D)+	0,1 mm
Number of solder pins per pole	2	Stripping length	8 mm
L1 in mm	17.5 mm	L1 in inches	0.689 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

Material data

Insulating material	LCP GF	Colour	Black
Flammability class UL 94	V-0	CTI	≥ 175
Contact material	Copper alloy	Contact surface	tinned
Contact base material	Copper alloy		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 16
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	0.75 mm ²

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	17.5 A	Rated current, max. no. of poles (Tu=20°C)	16 A
Rated current, number of poles (Tu=40°C), min	17.5 A	Rated current, number of poles (Tu=40°C), max.	14 A
Rated voltage for surge voltage class / pollution degree II/2	320 V	Rated voltage for surge voltage class / pollution degree III/2	160 V
Rated voltage for surge voltage class / pollution degree III/3	160 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 80 A		

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Institute (CSA)



Rated voltage (Use group B)

Rated current (use group B)	10 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 16

Rated voltage (Use group B)	300 V
Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 24

UL 1059 rating data

Rated voltage (use group B)	300 V
Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 24

Rated current (use group B)	12 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 16

Classifications

ETIM 3.0	EC001284	UNSPSC	30-21-18-01
eClass 6.0	27-26-11-01	eClass 7.0	27-44-04-01

Notes

Notes

- Further slider colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drg. = pitch
- 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.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

Approvals

Approvals

**Downloads**CAD Library (P-CAD Format - ASCII) [LSF-SMT.LIA](#)CAD Library (P-CAD Format - Standard) [LSF-SMT.lib](#)[3-D model](#)

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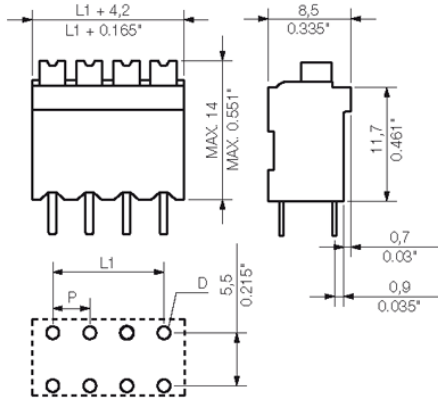
Catalogue status 14.04.2012 / We reserve the right to make technical changes.

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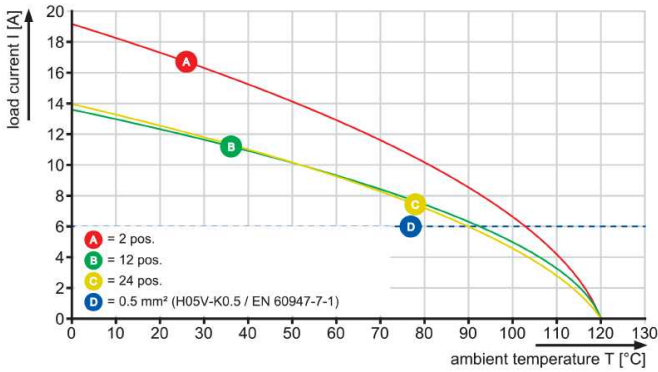
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Drawings



LSF-SMT 3.5/..180 3.5



LSF-SMT 3.5/..180 3.5

