# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### 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)
- 500 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

#### General ordering data

Order No.	<u>1884370000</u>
Part designation	LSF-SMT 5.00/03/135 3.5SN BK TU
Version	PCB terminal, 5.00 mm, No. of poles: 3, 135°, Solder pin length: 3.5 mm, tinned, black, PUSH IN, Clamping range, max.: 1.5 mm <sup>2</sup> , Tube
GTIN (EAN)	4032248488841
Qty.	39 pc(s).
Packaging	Tube

## **Technical data**



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System	parameters
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Product family	System LSF	Conductor connection system	PUSH IN
Fitted to PCB	Reflow solder connection	Outgoing direction of conductor	135°
Pitch in mm	5 mm	Pitch in inch	0.197 inch
No. of poles	3	Fitted by customer	Yes
No. of rows	1	Solder pin length	3.5 mm
Diameter of solder eyelet		Tolerance of the diameter of the solder	
	1.1 mm	eyelet	+ 0,1 mm
Number of solder pins per pole	2	Stripping length	8 mm
L1 in mm	10 mm	L1 in inch	0.394 inch
Electric shock protection to DIN VDE 0470	IP 20	Electric shock protection to DIN VDE 57 106 Safe from finger touch	

#### Material data

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

#### **Connectable conductors**

Clamping range, min.	0.13 mm²	Clamping range, max.	1.5 mm²
Conductor connection cross-section AWG	,	Conductor connection cross-section AWG,	
min.	AWG 24	max.	AWG 16
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm <sup>2</sup>	with wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, m	in.	with plastic collar ferrule, DIN 46228 pt 4,	
	0.25 mm²	max.	0.75 mm²

#### **DIN IEC rating data**

Rated current, min. No. of poles (Tu=20°C) 17.5 A		Rated current, max. No. of poles (Tu=20°	Rated current, max. No. of poles (Tu=20°C) 17.5 A	
Rated current, no. of poles (Tu=40°C), mi	n. 17.5 A	Rated current, no. of poles (Tu=40°C), m	Rated current, no. of poles (Tu=40°C), max. 15 A	
Rated voltage for overvoltage class/pollut	ion	Rated voltage for overvoltage class/pollut	tion	
severity II/2	500 V	severity III/2	320 V	
Rated voltage at overvoltage category/		Rated impulse withstand voltage for		
pollution degree III/3	250 V	overvoltage class/pollution severity II/2	4 kV	
Rated impulse withstand voltage for		Rated impulse withstand voltage for		
overvoltage class/pollution severity III/2	4 kV	overvoltage class/pollution severity III/3	4 kV	
Short-time withstand current resistance	3 x 1s with 80 A			

#### CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	10 A	
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A	
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 16	

#### UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	12 A	
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A	
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 16	

## **Technical data**

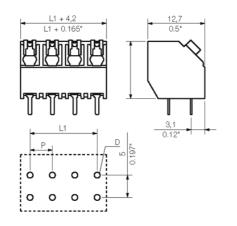


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Approvals			
Approvals institutes	CSA; CURUS; GOSTME ROHS	225;	
Classifications			
ETIM 3.0 eClass 6.0	EC001284 27-26-11-01	eClass 5.1	27-26-11-01
Notes			
Notes	<ul> <li>Additional colours on request</li> <li>Rated current related to rated cross-section and min. No. of poles.</li> <li>Wire end ferrule without plastic collar to DIN 46228 pt 1</li> <li>The data given under CSA relates to a cUL approval - E60693</li> <li>P on drg. = pitch</li> <li>Diameter of solder eyelet D = 1.1+0.1 mm</li> <li>Operating force of slider max. 40 N</li> <li>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.</li> <li>Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.</li> </ul>		

## Drawings





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