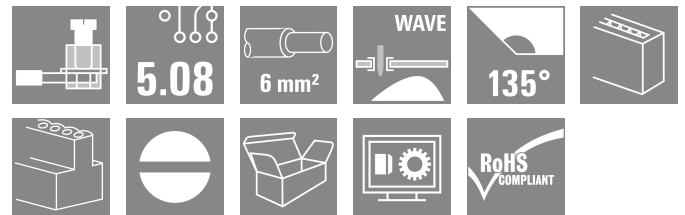
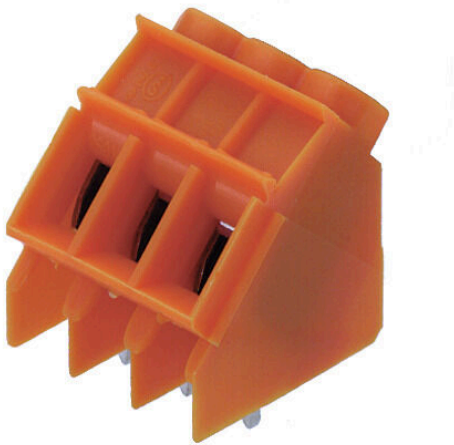


**LP 5.08/02/135 3.2SN OR BX**
**Weidmüller Interface GmbH & Co. KG**

 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)
**Product image**


Similar to illustration

Test point, 32 A and 6 mm<sup>2</sup> 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.

**General ordering data**

Version	Printed circuit board terminals, 5.08 mm, Number of poles: 2, 135°, Solder pin length (l): 3.2 mm, tinned, orange, Clamping yoke connection, Clamping range, max. : 6 mm <sup>2</sup> , Box
Order No.	<a href="#">1595730000</a>
Type	LP 5.08/02/135 3.2SN OR BX
GTIN (EAN)	4008190190255
Qty.	100 items
Product data	IEC: 500 V / 32 A / 0.5 - 6 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12
Packaging	Box

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	17.5 mm	Depth (inches)	0.689 inch
Height	20 mm	Height (inches)	0.7874 inch
Height of lowest version	16.8 mm	Width	10.76 mm
Width (inches)	0.4236 inch	Net weight	2.82 g

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## System parameters

Product family	OMNIMATE Signal - series LP	Wire connection method	Clamping yoke connection
Mounting onto the PCB	THT solder connection	Conductor outlet direction	135°
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.200 "
Number of poles	2	Pin series quantity	1
Fitted by customer	Yes	Number of rows	1
Max. adjacent poles per row	24	Solder pin length (l)	3.2 mm
Solder pin dimensions	0.75 x 0.9 mm	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)+ 0,1 mm		Number of solder pins per pole	1
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 3	Stripping length	6 mm
L1 in mm	5.08 mm	L1 in inches	0.200 "
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Protection degree	IP20	Volume resistance	1.20 mΩ

## Material data

Insulating material	PA	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-2	Contact material	Cu-alloy
Contact surface	tinned	Coating	1-3 µm Ni, 4-6 µm SN
Tinning type	matt	Layer structure of solder connection	4...6 µm Ni / 4...6 µm Sn
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

## Conductors suitable for connection

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26

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## Technical data

Wire connection cross section AWG, max.	AWG 12					
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>					
Solid, max. H05(07) V-U	6 mm <sup>2</sup>					
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>					
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>					
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm <sup>2</sup> min.						
w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm <sup>2</sup> max.						
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm <sup>2</sup>					
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>					
Plug gauge in accordance with EN 60999 a x b; ø	2.8 mm x 2.4 mm; 3.0 mm					
Clampable conductor	Cross-section for conductor connection	Type	fine-wired			
		nominal	0.5 mm <sup>2</sup>			
	wire end ferrule	Stripping length	nominal	8 mm		
		Recommended wire-end ferrule	<a href="#">H0.5/12 OR</a>			
		Stripping length	nominal	6 mm		
		Recommended wire-end ferrule	<a href="#">H0.5/6</a>			
	Cross-section for conductor connection	Type	fine-wired			
		nominal	0.75 mm <sup>2</sup>			
	wire end ferrule	Stripping length	nominal	8 mm		
		Recommended wire-end ferrule	<a href="#">H0.75/12 W</a>			
		Stripping length	nominal	6 mm		
		Recommended wire-end ferrule	<a href="#">H0.75/6</a>			
	Cross-section for conductor connection	Type	fine-wired			
		nominal	1 mm <sup>2</sup>			
	wire end ferrule	Stripping length	nominal	8 mm		
		Recommended wire-end ferrule	<a href="#">H1.0/12 GE</a>			
		Stripping length	nominal	6 mm		
		Recommended wire-end ferrule	<a href="#">H1.0/6</a>			
	Reference text	Length of ferrules is to be chosen depending on the product and the rated voltage., The outside diameter of the plastic collar should not be larger than the pitch (P)				

## Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	32 A
Rated current, max. number of poles (Tu=20°C)	30.5 A	Rated current, min. number of poles (Tu=40°C)	32 A
Rated current, max. number of poles (Tu=40°C)	25 A	Rated voltage for surge voltage class / pollution degree II/2	500 V
Rated voltage for surge voltage class / pollution degree III/2	250 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 120 A

## Technical data

### Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1202191
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	20 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	20 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

### Packing

Packaging	Box	VPE length	117.00 mm
VPE width	103.00 mm	VPE height	65.00 mm

### Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.		
Notes	<ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• P on drawing = pitch</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>• The test point can only be used as potential-pickup point.</li> <li>• It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw</li> <li>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>		

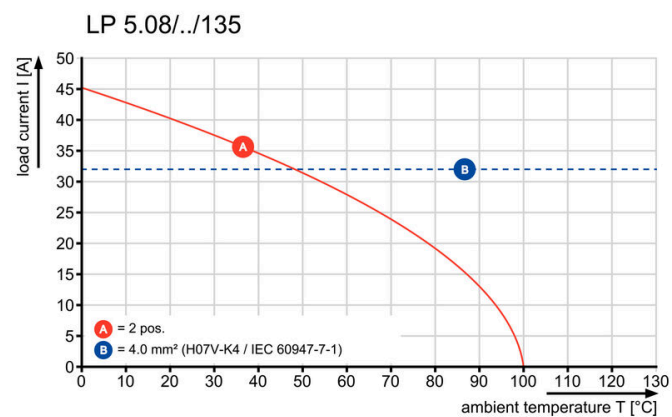
### Classifications

ETIM 8.0	EC002643	ETIM 9.0	EC002643
ETIM 10.0	EC002643	ECLASS 14.0	27-46-01-01
ECLASS 15.0	27-46-01-01		

## Dimensional drawing



## Graph



## LP 5.08/02/135 3.2SN OR BX

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## Accessories

## Intermediate plates



The maximum voltage is based on the minimum distance. Intermediate plates increase the creepage and clearance distances between different potentials and permit higher rated voltages or a clear separation, e.g. between mains and low voltages or different protection zones.

The dovetail joint enables easy installation and guarantees a secure fit. Other characteristics include:

- Pitch extended by 1.27 or 2.54mm - all other combinations possible
- Colour coding ensures visual differentiation
- Different geometries for standard designs.

Incomplete individual assemblies avoided because separate terminal blocks combine to form a single holistic unit. Ready-assembled on request.

The advantages: efficient processing, increased stability, improved reliability.

## General ordering data

Type	LPZP 2.54/135 OR	Version
Order No.	<a href="#">1753740000</a>	Printed circuit board terminals, Accessories, Intermediate plate,
GTIN (EAN)	4032248058648	orange, Number of poles: 1
Qty.	100 ST	

## Additional accessories



No task is too small when creating the perfect solution. Connections form just one part of the overall process.

Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

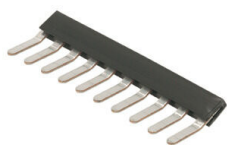
A system is not a system without small but essential details:

- Test plugs ensure reliable pick-up from diagnostic sockets

In tandem with the manufacturing process and application.

## General ordering data

Type	PS 2.0 MC	Version
Order No.	<a href="#">0310000000</a>	PCB plug-in connector, Accessories, Test plug, red, Number of poles:
GTIN (EAN)	4008190000059	1
Qty.	20 ST	

**Accessories****Cross-connections**

Large potential for small terminals.

For efficient electrical distribution directly at the connection:

- Isolated comb rail
- Available with the most standard pole numbers
- Easy to shorten

Simply reduce in size to match the number of poles and connect with the conductor in a single working procedure.

For retrofitting or deliberate reduction of the thermal load on the PCB.

**General ordering data**

Type	LPA QB 2	Version
Order No.	<a href="#">1472200000</a>	Printed circuit board terminals, Accessories, Cross-connector, Number
GTIN (EAN)	4008190096298	of poles: 2
Qty.	50 ST	