LP 7.62/02/90 3.2SN BK BX

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

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Product image

Similar to illustration

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

General ordering data

Order No.	1517700000
Type	LP 7.62/02/90 3.2SN BK BX
GTIN (EAN)	4050118325195
Qty.	100 Stück
Packaging	Box

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Technische Daten

Dimensions and weights

Depth	11 mm	Depth (inches)	0.433 inch
Height	20.2 mm	Height (inches)	0.795 inch
Net weight	3.334 g		

Temperatures

Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Continuous operating temp., max.	100 °C		

System parameters

Wire connection method	Clamping yoke connection	Mounting onto the PCB	THT solder connection
Conductor outlet direction	90°	Pitch in mm (P)	7.62 mm
Number of poles	2	Pin series quantity	1
Solder pin length (l)	3.2 mm	Solder pin dimensions	0.75 x 0.9 mm
Touch-safe protection acc. to DIN VDE 0470	IP 20	Protection degree	IP20

Material data

Insulating material	PA	Colour	orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-2
Contact material	Copper alloy	Contact surface	tinned
Coating	1-3 µm Ni, 4-6 µm SN	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C		

Conductors suitable for connection

Solid, min. H05(07) V-U	0.5 mm²	Solid, max. H05(07) V-U	6 mm²
Stranded, max. H07V-R	6 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²	w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm²
w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm²		

Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	32 A	Rated current, min. number of poles (Tu=40°C)	32 A
Rated voltage for surge voltage class / pollution degree II/2	1,000 V	Rated voltage for surge voltage class / pollution degree III/2	500 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	6 kV

Rated data acc. to CSA

Institute (CSA)		Certificate No. (CSA)	200039-1202191
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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Technische Daten

Rated data acc. to UL 1059

Institute (UR)		Certificate No. (UR)	E60693
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	117 mm
VPE width	103 mm	VPE height	65 mm

Classifications

ETIM 6.0	EC002643	ETIM 7.0	EC002643
ETIM 8.0	EC002643	ECLASS 9.0	27-44-04-01
ECLASS 9.1	27-44-04-01	ECLASS 10.0	27-44-04-01
ECLASS 11.0	27-46-01-01	ECLASS 12.0	27-46-01-01

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Downloads

Engineering Data	CAD data – STEP
Product Change Notification	20230111 Änderung des Schriftfeldes an der LP 7.xx 20230111Modification of the text field at the LP 7.xx
Catalogues	Catalogues in PDF-format
Brochures	FL DRIVES EN FL DRIVES DE

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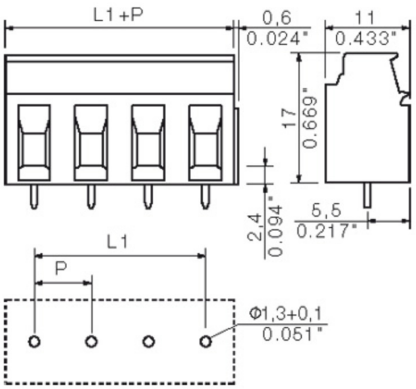
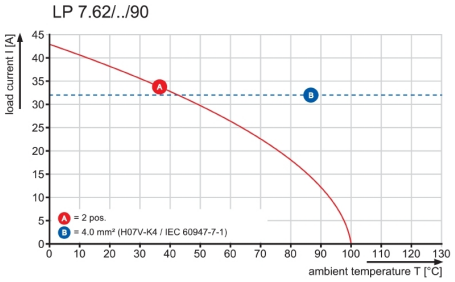
Zeichnungen

Dimensional drawing



Graph



Wave Solder Profile

Recommended wave solderding profiles

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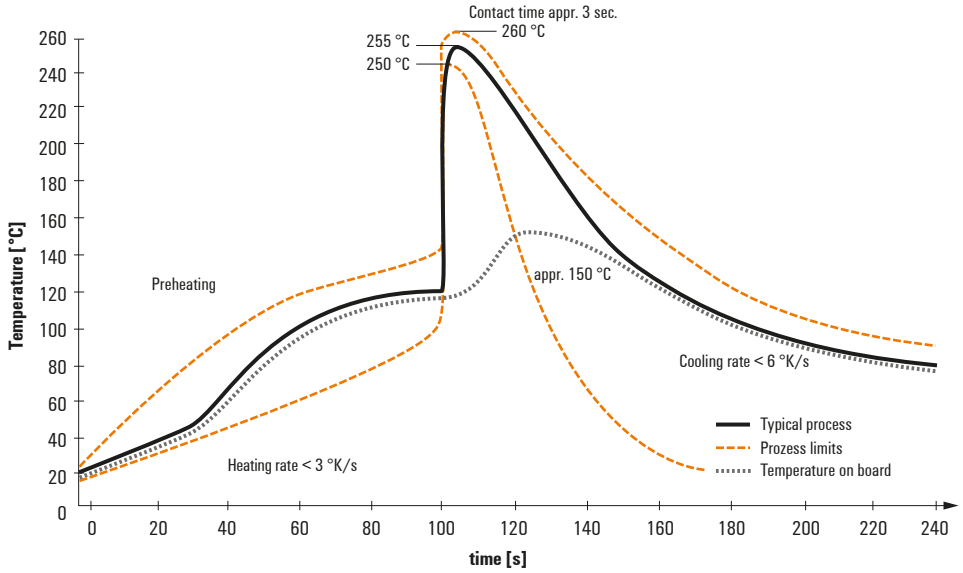
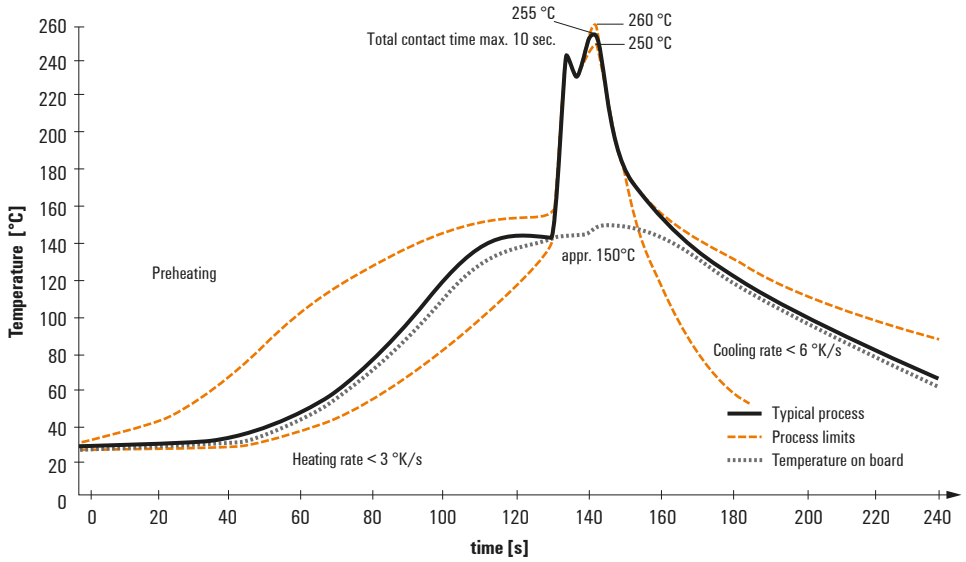
Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:
- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.