

**LPTR 5.08/01/90 3.2SN DKGX BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

Disconnect element with test point, PCB terminal with proven clamping yoke connection at 5.08 mm pitch, conductor outlet direction 90°. Suitable for conductor cross-sections up to 6.0 mm<sup>2</sup>.

**General ordering data**

Version	Printed circuit board terminals, Thin-element technology, Spacer, green, Number of poles: 1
Order No.	<a href="#">1250510000</a>
Type	LPTR 5.08/01/90 3.2SN DKGX BX
GTIN (EAN)	4050118041088
Qty.	100 pc(s).
Product data	IEC: 500 V / 13 A UL:
Packaging	Box

Creation date March 23, 2021 12:32:20 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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**Technical data**
**Dimensions and weights**

Net weight	4.46 g
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**System parameters**

Mounting onto the PCB	THT solder connection	Number of poles	1
Pin series quantity	1	Fitted by customer	Yes
Max. adjacent poles per row	24	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)+ 0,1 mm		Number of solder pins per pole	2
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Volume resistance	3.00 mΩ

**Material data**

Insulating material	PA	Colour	green
Colour chart (similar)	RAL 6032	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	UL 94 flammability rating	V-2
Contact material	Copper alloy	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**

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)
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**Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	13 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/ contamination degree III/3	2 kV

**Rated data acc. to CSA**

Rated voltage (Use group D / CSA)	300 V	Rated current (Use group D / CSA)	10 A
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**Rated data acc. to UL 1059**

Institute (UR)		Certificate No. (UR)	E60693
Rated voltage (Use group D / UL 1059)	300 V	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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## Technical data

### Packing

Packaging	Box	VPE length	60 mm
VPE width	105 mm	VPE height	130 mm

### Classifications

ETIM 6.0	EC002643	ETIM 7.0	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

### 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>Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months</li> </ul>

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

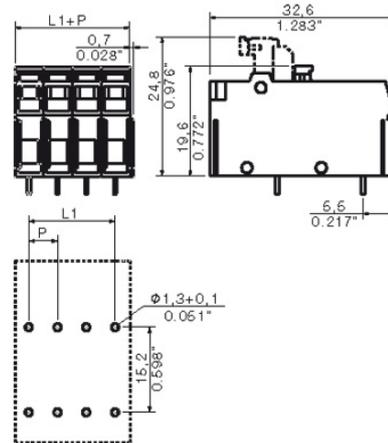
**LPTR 5.08/01/90 3.2SN DKGN BX**

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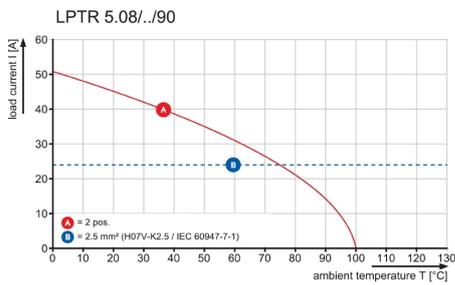
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**Drawings**

**Dimensional drawing**



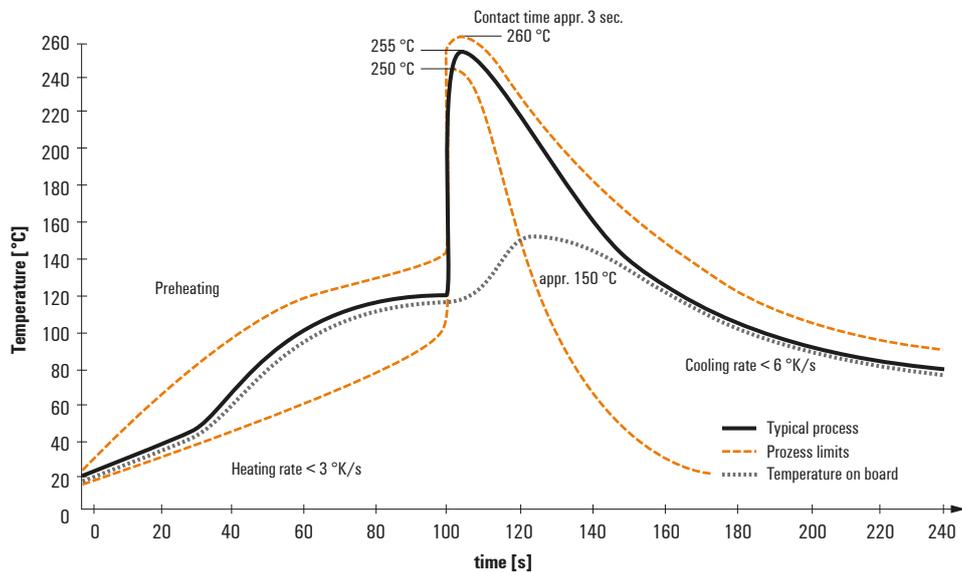
**Graph**



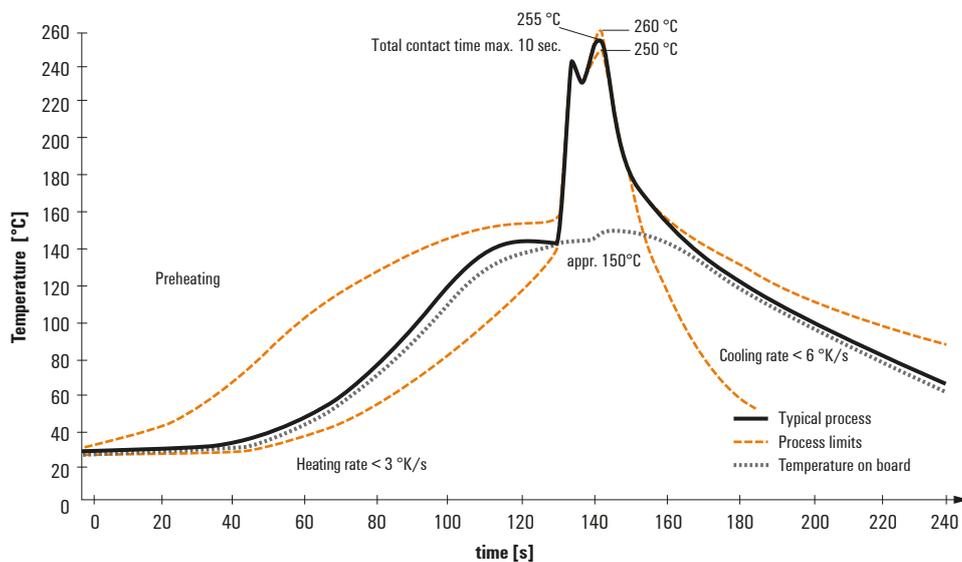
## Recommended wave soldering profiles

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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.