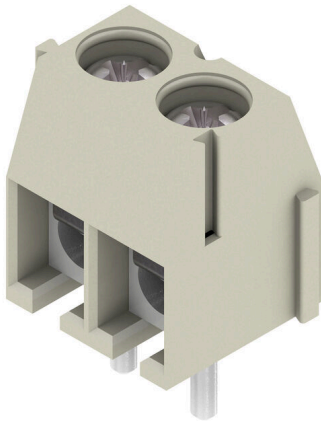


## PS 3.50/02/90 3.5SN GY BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

### Product image



Very small and compact PCB terminal with leaf spring connection at 3.5 mm pitch, conductor outlet direction 90°. Suitable for conductor cross-sections up to 1.5 mm<sup>2</sup>.

### General ordering data

|                 |  |
|-----------------|--|
| Version         | Printed circuit board terminals, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.5 mm, tinned, Pebble grey, Pressure clamp connection, Clamping range, max. : 1.5 mm <sup>2</sup> , Box |
| Order No.       | <a href="#">1811290000</a>   |
| Type            | PS 3.50/02/90 3.5SN GY BX  |
| GTIN (EAN)      | 4032248290383  |
| Qty.            | 100 items  |
| Product data    | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16  |
| Packaging       | Box  |
| Delivery status | This article will no longer be available in the future.  |
| Available until | 2026-03-30T00:00:00+02:00  |
| Creation date   | 28.02.2026 12:16:05 MEZ  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

## Dimensions and weights

|                          |            |                 |             |
|--------------------------|------------|-----------------|-------------|
| Depth                    | 6.8 mm     | Depth (inches)  | 0.2677 inch |
| Height                   | 11.9 mm    | Height (inches) | 0.4685 inch |
| Height of lowest version | 8.4 mm     | Width           | 8 mm        |
| Width (inches)           | 0.315 inch | Net weight      | 1.06 g      |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 92756f44-b3ae-437b-8a77-8ecb45fe4af6 |

## System parameters

|  |                       |  |                           |
|--|-----------------------|--|---------------------------|
| Product family                             | PS                    | Wire connection method                       | Pressure clamp connection |
| Mounting onto the PCB                      | THT solder connection | Conductor outlet direction                   | 90°                       |
| Pitch in mm (P)                            | 3.50 mm               | Pitch in inches (P)                          | 0.138 "                   |
| 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)                        | 3.5 mm                    |
| Solder pin dimensions                      | d = 0.8 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                          | 0.4 x 2.5             | Screwdriver blade standard                   | DIN 5264                  |
| Tightening torque, min.                    | 0.2 Nm                | Tightening torque, max.                      | 0.25 Nm                   |
| Clamping screw                             | M 2                   | Stripping length                             | 4 mm                      |
| L1 in mm                                   | 3.50 mm               | L1 in inches                                 | 0.138 "                   |
| 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                  |  |                           |

## Material data

|                                       |                             |                                       |                      |
|---------------------------------------|-----------------------------|---------------------------------------|----------------------|
| Insulating material                   | Wemid (PA)                  | Colour                                | Pebble grey          |
| Colour chart (similar)                | RAL 7032                    | Insulating material group             | I                    |
| Comparative Tracking Index (CTI)      | ≥ 600                       | Moisture Level (MSL)                  |                      |
| UL 94 flammability rating             | V-0                         | Contact material                      | Copper alloy         |
| Contact surface                       | tinned                      | Coating                               | 1-3 µm Ni, 4-6 µm SN |
| Layer structure of solder connection  | 1.5...3 µm Ni / 4...6 µm Sn | Storage temperature, min.             | -40 °C               |
| Storage temperature, max.             | 70 °C                       | Operating temperature, min.           | -50 °C               |
| Operating temperature, max.           | 120 °C                      | Temperature range, installation, min. | -25 °C               |
| Temperature range, installation, max. | 120 °C                      |                                       |                      |

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## Technical data

## Conductors suitable for connection

|   |  |   |                      |
|---|--|---|----------------------|
| Clamping range, min.                            | 0.08 mm <sup>2</sup>   | Clamping range, max.                            | 1.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, min.         | AWG 28   | Wire connection cross section AWG, 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. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm <sup>2</sup>   | w. plastic collar ferrule, DIN 46228 pt 4, max. | 0.75 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.25 mm <sup>2</sup>   | w. wire end ferrule, DIN 46228 pt 1, max.       | 0.75 mm <sup>2</sup> |
| 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)                         | 17.5 A |
| Rated current, max. number of poles (Tu=20°C)                             | 17.5 A                 | Rated current, min. number of poles (Tu=40°C)                         | 17.5 A |
| Rated current, max. number of poles (Tu=40°C)                             | 17.5 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                 |   |        |

## Rated data acc. to CSA

|                                   |  |                                   |                |
|-----------------------------------|--|-----------------------------------|----------------|
| Institute (CSA)                   | CSA  | Certificate No. (CSA)             | 200039-1815154 |
| Rated voltage (Use group B / CSA) | 300 V  | Rated current (Use group B / CSA) | 10 A           |
| Wire cross-section, AWG, min.     | AWG 28   | Wire cross-section, AWG, max.     | AWG 16         |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate. |                                   |                |

## Rated data acc. to UL 1059

|                                       |  |                                       |        |
|---------------------------------------|--|---------------------------------------|--------|
| Institute (cURus)                     | CURUS  | Certificate No. (cURus)               | E60693 |
| 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) | 10 A   | Rated current (Use group D / UL 1059) | 10 A   |
| Wire cross-section, AWG, min.         | AWG 28   | Wire cross-section, AWG, max.         | AWG 16 |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate. |                                       |        |

## Packing

|           |          |            |          |
|-----------|----------|------------|----------|
| Packaging | Box      | VPE length | 35.00 mm |
| VPE width | 90.00 mm | VPE height | 95.00 mm |

**Technical data****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>• 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>• The data given under CSA relates to a cUL approval - E60693</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>• 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 |             |             |

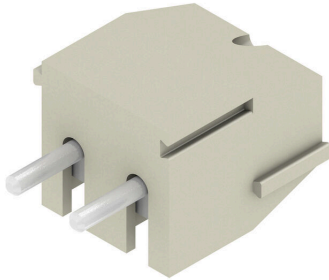
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Drawings

Product image



Dimensional drawing



Graph

