

**ZPS 2.5/1AN/QV/2****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

A coupling offers the possibility to use the WeiCoS connector system without a base terminal block. The system can be used as a floating or permanently installed application for connecting two conductors.

**General ordering data**

|            |                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Coupling, Rated cross-section: 2.5 mm <sup>2</sup> , Plug-in connection, beige, Direct mounting |
| Order No.  | <a href="#">1865900000</a>                                                                                |
| Type       | ZPS 2.5/1AN/QV/2                                                                                          |
| GTIN (EAN) | 4032248499243                                                                                             |
| Qty.       | 20 pc(s).                                                                                                 |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 42 mm    | Depth (inches)  | 1.654 inch |
| Height     | 22.55 mm | Height (inches) | 0.888 inch |
| Width      | 12.7 mm  | Width (inches)  | 0.5 inch   |
| Net weight | 8.8 g    |                 |            |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                                   |                                                         |                                     |    |
|-----------------------------------|---------------------------------------------------------|-------------------------------------|----|
| Version                           | Plug-in connector, plug-gable, Tension-clamp connection | Number of potentials                | 2  |
| Number of levels                  | 1                                                       | Number of clamping points per level | 1  |
| Levels cross-connected internally | No                                                      | PE connection                       | No |

**Additional technical data**

|                     |                 |                  |         |
|---------------------|-----------------|------------------|---------|
| Installation advice | Direct mounting | Type of mounting | Plugged |
|---------------------|-----------------|------------------|---------|

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1720292 | Current size C (CSA)          | 20 A   |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|----------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>    |
| Clamping range, min.                                                                    | 0.13 mm <sup>2</sup> | Connection direction                                                                    | top                  |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 2                    |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Plug-in connection   |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26               |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.13 mm <sup>2</sup> |

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**Technical data****General**

|                                         |                          |                                         |        |
|-----------------------------------------|--------------------------|-----------------------------------------|--------|
| Installation advice                     | Direct mounting          | Number of poles                         | 2      |
| Standards                               | IEC 60947-7-1, IEC 61984 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26                   |                                         |        |

**Rating data**

|                                              |                     |                                 |                          |
|----------------------------------------------|---------------------|---------------------------------|--------------------------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 500 V                    |
| Rated DC voltage                             | 500 V               | Rated current                   | 24 A                     |
| Current at maximum wires                     | 24 A                | Standards                       | IEC 60947-7-1, IEC 61984 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 6 kV                     |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3                        |

**UL rating data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size C (cURus)                     | 24 A   |
| Current size D (cURus)                     | 5 A    | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 600 V  |                                            |        |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002848    | ETIM 7.0    | EC002848    |
| ETIM 8.0    | EC002848    | ETIM 9.0    | EC002848    |
| ETIM 10.0   | EC002848    | ECLASS 9.0  | 27-14-11-92 |
| ECLASS 9.1  | 27-14-11-92 | ECLASS 10.0 | 27-14-11-92 |
| ECLASS 11.0 | 27-14-11-92 | ECLASS 12.0 | 27-14-11-92 |
| ECLASS 13.0 | 27-25-03-90 | ECLASS 14.0 | 27-25-03-90 |
| ECLASS 15.0 | 27-25-03-90 |             |             |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (cURus) | E60693                                                                                                                                                                                                                                                                                                                                                  |

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## Technical data

### Downloads

Approval/Certificate/Document of Con-  
formity

[Confirmation of Standards EN 45545-2\\_2020-10](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[StorageConditionsTerminalBlocks](#)

Catalogues

[Catalogues in PDF-format](#)