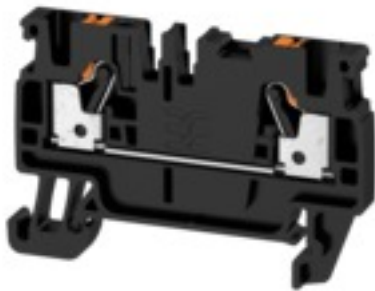


**A2C 2.5 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Spring connection with PUSH IN Technology**

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

**General ordering data**

|            |                                                                        |
|------------|------------------------------------------------------------------------|
| Version    | Feed-through terminal, PUSH IN, 2.5 mm <sup>2</sup> , 800, 24 A, black |
| Order No.  | <a href="#">1521980000</a>                                             |
| Type       | A2C 2.5 BK                                                             |
| GTIN (EAN) | 4050118328288                                                          |
| Qty.       | 100 pc(s).                                                             |

**A2C 2.5 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 36.5 mm    | Depth (inches) | 1.437 inch |
| Depth including DIN rail | 37 mm      | Height         | 55 mm      |
| Height (inches)          | 2.165 inch | Net weight     | 6.376 g    |
| Width                    | 5.1 mm     | Width (inches) | 0.201 inch |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C         |                                  |        |

**Material data**

|                                |        |                           |       |
|--------------------------------|--------|---------------------------|-------|
| Material                       | Wemid  | Colour                    | black |
| Colour of operational elements | orange | UL 94 flammability rating | V-0   |

**Rating data IECEx/ATEX**

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | TUEV16ATEX7909U     | Certificate No. (IECEX)         | IECEXTUR16.0036U    |
| Max. voltage (ATEX)            | 550 V               | Current (ATEX)                  | 20 A                |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Max. voltage (IECEX)            | 550 V               |
| Current (IECEX)                | 20 A                | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb       | Ex 2014/34/EU label             | II 2 G D            |

**System specifications**

|                               |       |                                     |    |
|-------------------------------|-------|-------------------------------------|----|
| End cover plate required      | Yes   | Number of potentials                | 1  |
| Number of levels              | 1     | Number of clamping points per level | 2  |
| Number of potentials per tier | 1     | PE connection                       | No |
| Rail                          | TS 35 | N-function                          | No |
| PE function                   | No    | PEN function                        | No |

**Additional technical data**

|                     |       |                   |         |
|---------------------|-------|-------------------|---------|
| Installation advice | Rail  | Open sides        | right   |
| Snap-on             | No    | Type of fixing    | Snap-on |
| Type of mounting    | TS 35 | With snap-in pegs | No      |

**CSA rating data**

|                               |                 |                               |        |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-70089609 | Current size B (CSA)          | 20 A   |
| Current size C (CSA)          | 20 A            | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 600 V           | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V           | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 28 AWG          |                               |        |

**Conductors for clamping (rated connection)**

|                                          |                      |
|------------------------------------------|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 2.5 mm <sup>2</sup>  |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 2.5 mm <sup>2</sup>  |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |
| Connection direction                     | top                  |
| Gauge to IEC 60947-1                     | A3                   |

Creation date March 24, 2021 4:32:11 AM CET

**A2C 2.5 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data**

|                                                                                               |                                        |         |                      |
|-----------------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Number of connections                                                                         | 2                                      |         |                      |
| Stripping length                                                                              | 10 mm                                  |         |                      |
| Tube length for AEH with plastic collar<br>DIN 46228/4                                        | Cross-section for conductor connection | min.    | 0.34 mm <sup>2</sup> |
|                                                                                               |                                        | max.    | 0.14 mm <sup>2</sup> |
|                                                                                               | Tube length                            | min.    | 8 mm                 |
|                                                                                               |                                        | max.    | 6 mm                 |
|                                                                                               | Cross-section for conductor connection | min.    | 1 mm <sup>2</sup>    |
|                                                                                               |                                        | max.    | 0.5 mm <sup>2</sup>  |
|                                                                                               | Tube length                            | min.    | 12 mm                |
|                                                                                               |                                        | max.    | 6 mm                 |
|                                                                                               | Cross-section for conductor connection | min.    | 2.5 mm <sup>2</sup>  |
|                                                                                               |                                        | max.    | 1.5 mm <sup>2</sup>  |
|                                                                                               | Tube length                            | min.    | 12 mm                |
|                                                                                               |                                        | max.    | 8 mm                 |
| Tube length for AEH without plastic<br>collar DIN 46228/1                                     | Tube length                            | nominal | 5 mm                 |
|                                                                                               | Cross-section for conductor connection | nominal | 0.25 mm <sup>2</sup> |
|                                                                                               | Tube length                            | min.    | 6 mm                 |
|                                                                                               |                                        | max.    | 10 mm                |
|                                                                                               | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                               |                                        | max.    | 1 mm <sup>2</sup>    |
|                                                                                               | Tube length                            | min.    | 7 mm                 |
|                                                                                               |                                        | max.    | 12 mm                |
|                                                                                               | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup>  |
|                                                                                               |                                        | max.    | 2.5 mm <sup>2</sup>  |
| Tube length for twin wire-end ferrule                                                         | Tube length                            | min.    | 8 mm                 |
|                                                                                               |                                        | max.    | 12 mm                |
|                                                                                               | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup>  |
|                                                                                               |                                        | max.    | 0.75 mm <sup>2</sup> |
| Twin wire-end ferrules, max.                                                                  | 0.75 mm <sup>2</sup>                   |         |                      |
| Twin wire-end ferrules, min.                                                                  | 0.5 mm <sup>2</sup>                    |         |                      |
| Type of connection                                                                            | PUSH IN                                |         |                      |
| Wire connection cross section AWG,<br>max.                                                    | AWG 12                                 |         |                      |
| Wire connection cross section AWG,<br>min.                                                    | AWG 28                                 |         |                      |
| Wire connection cross section, finely<br>stranded, max.                                       | 2.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, max. | 2.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/1, min. | 0.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, max. | 2.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, finely<br>stranded with wire-end ferrules DIN<br>46228/4, min. | 0.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid<br>core, max.                                            | 2.5 mm <sup>2</sup>                    |         |                      |
| Wire connection cross-section, solid<br>core, min.                                            | 0.5 mm <sup>2</sup>                    |         |                      |

## A2C 2.5 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## General

|                                         |               |                                         |        |
|-----------------------------------------|---------------|-----------------------------------------|--------|
| Installation advice                     | Rail          | Rail                                    | TS 35  |
| Standards                               | IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 28        |                                         |        |

## Rating data

|                                              |         |                                 |                     |
|----------------------------------------------|---------|---------------------------------|---------------------|
| Power loss in accordance with IEC 60947-7-x  | 0.77 W  | Rated cross-section             | 2.5 mm <sup>2</sup> |
| Rated voltage                                | 800     | Rated current                   | 24 A                |
| Current at maximum wires                     | 24 A    | Standards                       | IEC 60947-7-1       |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 8 kV                |
| Pollution severity                           | 3       | Surge voltage category          | III                 |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 28 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 600 V  | Voltage size C (cURus)                     | 600 V  |
| Voltage size D (cURus)                     | 600 V  |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ECLASS 9.0  | 27-14-11-20 | ECLASS 9.1  | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## A2C 2.5 BK

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Downloads

|                                                |                                                 |
|------------------------------------------------|-------------------------------------------------|
| Approval/Certificate/Document of<br>Conformity | <a href="#">Attestation of Conformity</a>       |
|                                                | <a href="#">IECEX Certificate</a>               |
|                                                | <a href="#">ATEX Certificate</a>                |
|                                                | <a href="#">CB Test Certificate</a>             |
|                                                | <a href="#">EAC certificate</a>                 |
|                                                | <a href="#">DNVGL certificate</a>               |
|                                                | <a href="#">MARITREG certificate</a>            |
|                                                | <a href="#">CCC Ex Certificate</a>              |
|                                                | <a href="#">Declaration of Conformity</a>       |
|                                                | <a href="#">Declaration of Conformity</a>       |
| Engineering Data                               | <a href="#">STEP</a>                            |
| Engineering Data                               | <a href="#">EPLAN, WSCAD, Zuken E3,S</a>        |
| Tender specification                           | <a href="#">Klippon® Connect 1521980000 DE</a>  |
|                                                | <a href="#">Klippon® Connect 1521980000 EN</a>  |
| User Documentation                             | <a href="#">NTI_A2C 2.5.pdf</a>                 |
|                                                | <a href="#">NTI_ALO 6</a>                       |
|                                                | <a href="#">StorageConditionsTerminalBlocks</a> |
|                                                | <a href="#">NTI ALO 16</a>                      |

### A2C 2.5 BK

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

