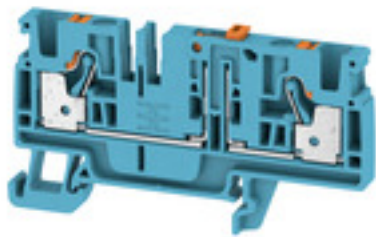


**ADT 4 2C BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

**General ordering data**

|            |  |
|------------|--|
| Version    | Test-disconnect terminal, PUSH IN, 4 mm <sup>2</sup> , 500 V, 20 A, blue |
| Order No.  | <a href="#">2429880000</a>   |
| Type       | ADT 4 2C BL  |
| GTIN (EAN) | 4050118439670  |
| Qty.       | 50 pc(s).  |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 41 mm      | Depth (inches) | 1.614 inch |
| Depth including DIN rail | 42 mm      | Height         | 74 mm      |
| Height (inches)          | 2.913 inch | Width          | 6.1 mm     |
| Width (inches)           | 0.24 inch  | Net weight     | 12.49 g    |

## Temperatures

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

## Material data

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

## Rating data IECEx/ATEX

|                                |                   |                                 |                   |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV16ATEX7939U   | Certificate No. (IECEX)         | IECEXTUR16.0045U  |
| Max. voltage (ATEX)            | 440 V             | Current (ATEX)                  | 18.5 A            |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup> | Max. voltage (IECEX)            | 400 V             |
| Current (IECEX)                | 18.5 A            | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |

## System specifications

|                                   |       |                                     |    |
|-----------------------------------|-------|-------------------------------------|----|
| End cover plate required          | Yes   | Number of potentials                | 1  |
| Number of levels                  | 1     | Number of clamping points per level | 2  |
| Levels cross-connected internally | No    | PE connection                       | No |
| Rail                              | TS 35 |                                     |    |

## 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) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## Conductors for clamping (additional connection)

Connection type, additional connection PUSH IN

## Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Blade size                               | 0.6 x 3.5 mm         |
| Clamping range, max.                     | 6 mm <sup>2</sup>    |
| Clamping range, min.                     | 0.14 mm <sup>2</sup> |
| Connection cross-section, stranded, max. | 6 mm <sup>2</sup>    |
| Connection cross-section, stranded, min. | 0.5 mm <sup>2</sup>  |

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## Technical data

|   |  |         |                     |
|---|--|---------|---------------------|
| Connection direction  | top                                    |         |                     |
| Gauge to IEC 60947-1  | A4                                     |         |                     |
| Number of connections   | 2                                      |         |                     |
| Stripping length  | 10 mm                                  |         |                     |
| Tube length for twin wire-end ferrule   | Tube length                            | max.    | 12 mm               |
|   |  | min.    | 8 mm                |
|   | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1.5 mm <sup>2</sup> |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4                        | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1 mm <sup>2</sup>   |
|   | Tube length                            | max.    | 12 mm               |
|   |  | min.    | 6 mm                |
|   | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|   |  | max.    | 2.5 mm <sup>2</sup> |
|   | Tube length                            | max.    | 12 mm               |
|   |  | min.    | 8 mm                |
|   | Cross-section for conductor connection | nominal | 4 mm <sup>2</sup>   |
|   |  | max.    | 12 mm               |
|   | Tube length                            | min.    | 10 mm               |
|   |  |         |                     |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1                     | Tube length                            | max.    | 10 mm               |
|   |  | min.    | 6 mm                |
|   | Cross-section for conductor connection | min.    | 0.5 mm <sup>2</sup> |
|   |  | max.    | 1 mm <sup>2</sup>   |
|   | Tube length                            | max.    | 12 mm               |
|   |  | min.    | 7 mm                |
|   | Cross-section for conductor connection | min.    | 1.5 mm <sup>2</sup> |
|   |  | max.    | 2.5 mm <sup>2</sup> |
|   | Tube length                            | max.    | 15 mm               |
|   |  | min.    | 9 mm                |
|   | Cross-section for conductor connection | min.    | 4 mm <sup>2</sup>   |
|   |  | max.    | 6 mm <sup>2</sup>   |
| Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup>                    |         |                     |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup>                    |         |                     |
| Type of connection  | PUSH IN                                |         |                     |
| Type of connection 2  | PUSH IN                                |         |                     |
| Wire connection cross section AWG, max.   | AWG 12                                 |         |                     |
| Wire connection cross section AWG, min.   | AWG 26                                 |         |                     |
| Wire connection cross section, finely stranded, max.                                    | 6 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. | 6 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, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>                      |         |                     |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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.   | 0.5 mm <sup>2</sup>                    |         |                     |

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## Technical data

## Disconnect terminals

|                  |          |                      |     |
|------------------|----------|----------------------|-----|
| Cross-disconnect | without  | Integral test socket | Yes |
| Slitting         | Pivoting |                      |     |

## General

|   |                       |   |        |
|---|-----------------------|---|--------|
| Installation advice                     | Rail                  | Rail                                    | TS 35  |
| Standards                               | IEC/EN 60947-7-1:2009 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26                |   |        |

## Rating data

|  |                   |                                 |                       |
|--|-------------------|---------------------------------|-----------------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 500 V                 |
| Rated DC voltage                             | 500 V             | Rated current                   | 20 A                  |
| Current at maximum wires                     | 20 A              | Standards                       | IEC/EN 60947-7-1:2009 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Rated impulse withstand voltage | 4 kV                  |
| Power loss in accordance with IEC 60947-7-x  | 1.02 W            | Pollution severity              | 3                     |
| Surge voltage category                       | III               |                                 |                       |

## UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 26 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    | EC000902    | ETIM 7.0    | EC000902    |
| ETIM 8.0    | EC000902    | ETIM 9.0    | EC000902    |
| ECLASS 9.0  | 27-14-11-26 | ECLASS 9.1  | 27-14-11-26 |
| ECLASS 10.0 | 27-14-11-26 | ECLASS 11.0 | 27-14-11-26 |
| ECLASS 12.0 | 27-14-11-26 | ECLASS 13.0 | 27-25-01-09 |

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## Technical data

## Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (cURus)   | E60693     |
| Certificate No. (cURusEX) | E184763    |

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">DE PT0102 20170420 002 ISSUE01</a><br><a href="#">Attestation of Conformity</a><br><a href="#">ATEX certificate</a><br><a href="#">IECEx Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">DNVGL certificate</a><br><a href="#">CB Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Tender specification                        | <a href="#">Klippon® Connect 2429880000 EN</a><br><a href="#">Klippon® Connect 2429880000 DE</a>   |
| User Documentation                          | <a href="#">NTI_ADT 4 2C.pdf</a><br><a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">User Manual ADT</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

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## Drawings

