

**VDATA CAT6****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

- Suitable for Cat. 5 (up to 100 MHz) and Cat. 6 (up to 250 MHz Class E)
- Suitable for PoE+ (according to IEEE 802.3at, IEEE 802.3bt Type 3 and 4)
- Protection of all wire pairs
- Connection via RJ45 sockets
- Metal housing

**General ordering data**

|            |                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Version    | Terminal rail fixing, Surge protection, Cat.6, 802.3 at Type 1, 802.3 at Type 2, 802.3 bt Type 3, U <sub>P</sub> (L/N-PE) ≤ 550 V |
| Order No.  | <a href="#">1348590000</a>                                                                                                        |
| Type       | VDATA CAT6                                                                                                                        |
| GTIN (EAN) | 4050118153002                                                                                                                     |
| Qty.       | 1 pc(s).                                                                                                                          |

Creation date September 16, 2022 3:55:25 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

## V DATA CAT6

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 46 mm | Depth (inches)  | 1.811 inch |
| Height     | 75 mm | Height (inches) | 2.953 inch |
| Width      | 19 mm | Width (inches)  | 0.748 inch |
| Net weight | 137 g |                 |            |

## Temperatures

|                     |                            |                       |                |
|---------------------|----------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C             | Operating temperature | -40 °C...80 °C |
| Humidity            | 0...95 % (no condensation) |                       |                |

## Rated data UL

|                             |              |                             |             |
|-----------------------------|--------------|-----------------------------|-------------|
| Certificate No. (UL)        | E311081      | Rated Voltage $U_N$         | 48 V        |
| Voltage Breakdown (VDC) L-G | 72 V - 120 V | Voltage Breakdown (VDC) L-L | 53 V - 73 V |
| Voltage type                | DC           |                             |             |

## General data

|                   |                                                                |              |                             |
|-------------------|----------------------------------------------------------------|--------------|-----------------------------|
| Colour            | Silver grey                                                    | Design       | miscellaneous, Adapter plug |
| Protection degree | IP20                                                           | Rail         | TS 35 x 15, TS 35 x 7.5     |
| Segment           | Data surge protection                                          | Suitable for | RJ45 plug                   |
| Version           | Cat.6, 802.3 at Type 1,<br>802.3 at Type 2, 802.3 bt<br>Type 3 |              |                             |

## Insulation coordination acc. to EN 50178

|                    |   |                        |     |
|--------------------|---|------------------------|-----|
| Pollution severity | 2 | Surge voltage category | III |
|--------------------|---|------------------------|-----|

## Rated data IEC / EN

|                                                    |                              |                                                    |                     |
|----------------------------------------------------|------------------------------|----------------------------------------------------|---------------------|
| Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE | 10 kA                        | Discharge current $I_n$ (8/20 $\mu$ s) wire-PE     | 5 kA                |
| Discharge current, $I_{imp}$ (10/350 $\mu$ s)      | 1 kA                         | Frequency range, max.                              | 250 MHz             |
| Insertion loss                                     | $\leq 1$ dB @ 250 MHz        | Lightning test current, $I_{imp}$ (10/350 $\mu$ s) |                     |
| Max. continuous voltage, $U_c$ (AC)                | 48 V                         | Wire-PE                                            | 1 kA                |
| Rated current $I_N$                                | 1 A                          | Protection level $U_p$ (typ.)                      | $\leq 550$ V        |
| Response time                                      | $< 1$ ns                     | Requirements category acc. to IEC 61643-21         | C2, D1              |
| Standards                                          | According to IEC61643-21, UL | Signal transmission properties (-3 dB)             | 250 kHz             |
| Surge current-carrying capacity C2                 | 10 kA                        | Suitable for                                       | RJ45 plug           |
| Voltage type                                       | AC/DC                        | Surge current-carrying capacity D1                 | 1 kA 10/350 $\mu$ s |
| Wire-PE capacitance @ 1 MHz, 1 Vrms                | 20 pF                        | Volume resistance                                  | $< 0.1 \Omega$      |
|                                                    |                              | Wire-wire capacitance @ 1 MHz, 1 Vrms              | 30 pF               |

## Connection data

|                        |           |                    |           |
|------------------------|-----------|--------------------|-----------|
| Wire connection method | RJ45-Port | Type of connection | RJ45-Port |
|------------------------|-----------|--------------------|-----------|

## Guarantee

|               |         |
|---------------|---------|
| Time interval | 5 years |
|---------------|---------|

## VDATA CAT6

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000943    | ETIM 7.0    | EC000943    |
| ETIM 8.0    | EC000943    | ECLASS 9.0  | 27-13-08-07 |
| ECLASS 9.1  | 27-13-08-07 | ECLASS 10.0 | 27-13-08-07 |
| ECLASS 11.0 | 27-13-08-07 | ECLASS 12.0 | 27-17-90-90 |

## Important note

|                     |                 |
|---------------------|-----------------|
| Product information | UL File e311081 |
|---------------------|-----------------|

## Approvals

Approvals



|                       |            |
|-----------------------|------------|
| ROHS                  | Conform    |
| UL File Number Search | UL Website |
| Certificate No. (UL)  | E311081    |

## Downloads

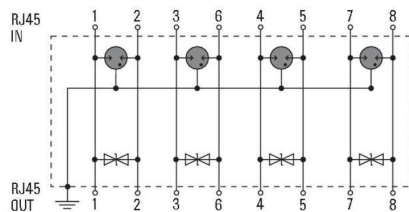
|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |
| User Documentation                          | <a href="#">Beipackzettel / Instruction sheet</a>                       |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

## VDATA CAT6

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

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

## Drawings



Circuit diagram

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1348590000](#)