

**VDATA CAT5E****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**

Order No.	<a href="#">2916360000</a>
Type	VDATA CAT5E
GTIN (EAN)	4099986545519
Qty.	1 pc(s).

## VDATE CAT5E

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	118 g		

## Temperatures

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

## General data

Colour	Silver grey	Design	miscellaneous, Adapter plug
Operating altitude	≤ 2000 m	Protection degree	IP20
Rail	TS 35 x 15, TS 35 x 7.5	Segment	Data surge protection
Version	802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4, Cat.5e		

## 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	10 kA
Discharge current $I_n$ (8/20 $\mu$ s) wire-wire	1.5 kA	Discharge current, $I_{\text{imp}}$ (10/350 $\mu$ s)	1 kA
Frequency range, max.	100 MHz	Lightning test current, $I_{\text{imp}}$ (10/350 $\mu$ s) Wire-PE	1 kA
Max. continuous voltage, $U_c$ (DC)	72 V	Protection level, $U_p$ wire - PE	550 V
Protection level, $U_p$ wire - wire	600 V	Rated current $I_N$	1 A
Rated voltage (DC)	48 V	Requirements category acc. to IEC 61643-21	D1, C1, C2, C3
Response time	<1 ns	Standards	IEC 61643-21
Surge current-carrying capacity C2	10 kA	Surge current-carrying capacity D1	1 kA 10/350 $\mu$ s
Voltage type	AC/DC	Volume resistance	<0.1 $\Omega$
Wire-PE capacitance @ 1 MHz, 1 Vrms	20 pF	Wire-wire capacitance @ 1 MHz, 1 Vrms	30 pF

## Connection data

Type of connection	RJ45-Port
--------------------	-----------

## Guarantee

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

## Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ETIM 8.0	EC000943	ETIM 9.0	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	ECLASS 13.0	27-17-90-90

Creation date May 2, 2024 11:54:31 PM CEST

## VDATA CAT5E

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

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

## Technical data

### Approvals

ROHS	Conform
------	---------

### Downloads

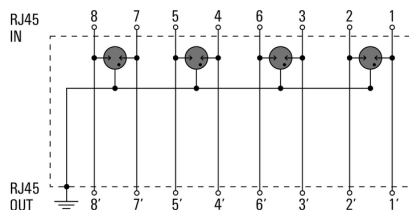
Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## VDATA CAT5E

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

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

## Drawings



Circuit diagram