

## VDATA CAT6

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

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(L/N-PE)</sub> ≤ 550 V
Order No.	<a href="#">1348590000</a>
Type	VDATA CAT6
GTIN (EAN)	4050118153002
Qty.	1 pc(s).

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Catalogue status 03.02.2022 / We reserve the right to make technical changes.

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## 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, 802.3 at Type 2, 802.3 bt Type 3		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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## 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) Wire-PE	1 kA
Max. continuous voltage, $U_c$ (AC)	48 V	Protection level $U_p$ (typ.)	$\leq 550$ V
Rated current $I_N$	1 A	Requirements category acc. to IEC 61643-21	C2, D1
Response time	$< 1$ ns	Signal transmission properties (-3 dB)	250 kHz
Standards	According to IEC61643-21, UL	Suitable for	RJ45 plug
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

Wire connection method	RJ45-Port	Type of connection	RJ45-Port
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## Guarantee

Time interval	5 years
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## 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		

## Important note

Product information      UL File e311081

## Approvals

Approvals



ROHS      Conform  
 UL File Number Search      E311081

## Downloads

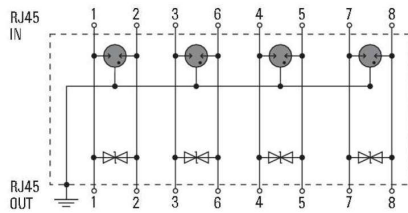
Approval/Certificate/Document of Conformity	<a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues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

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**Drawings**



Circuit diagram