

## 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, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
Order No.	<a href="#">1348590000</a>
Type	VDATA CAT6
GTIN (EAN)	4050118153002
Qty.	1 pc(s).

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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
Operating altitude	≤ 2000 m	Protection degree	IP20
Rail	TS 35 x 15, TS 35 x 7.5	Segment	Data surge protection
Suitable for		Version	Cat.6, PoE, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4
	RJ45 plug		

## Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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## Rated data IEC / EN

Discharge current $I_{max}$ (8/20μs) wire-PE	10 kA	Discharge current $I_n$ (8/20μs) wire-PE	10 kA
Discharge current, $I_{imp}$ (10/350 μs)	1 kA	Frequency range, max.	250 MHz
Insertion loss	≤ 1 dB @ 250 MHz	Lightning test current, $I_{imp}$ (10/350 μs)	1 kA
Max. continuous voltage, $U_c$ (AC)	48 V	Wire-PE	1 kA
Protection level, $U_p$ wire - PE	550 V	Max. continuous voltage, $U_c$ (DC)	50 V
Rated current $I_N$	1 A	Protection level, $U_p$ wire - wire	150 V
Requirements category acc. to IEC 61643-21	D1, C1, C2, C3	Rated voltage (DC)	48 V
Signal transmission properties (-3 dB)	250 kHz	Response time	< 1 ns
Suitable for	RJ45 plug	Standards	IEC 61643-21, UL
Surge current-carrying capacity D1	1 kA 10/350 μs	Surge current-carrying capacity C2	10 kA
Volume resistance	<0.1 Ω	Voltage type	AC/DC
Wire-wire capacitance @ 1 MHz, 1 Vrms	30 pF	Wire-PE capacitance @ 1 MHz, 1 Vrms	20 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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Creation date July 1, 2024 2:07:01 AM CEST

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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

**Environmental Product Compliance**

REACH SVHC

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**Approvals**

Approvals



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

**Downloads**

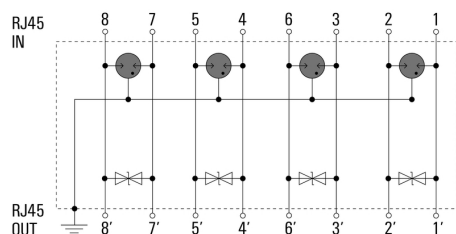
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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Circuit diagram