

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, 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.	1348590000
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 April 27, 2024 11:33:50 AM CEST

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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

Approvals

Approvals



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

Downloads

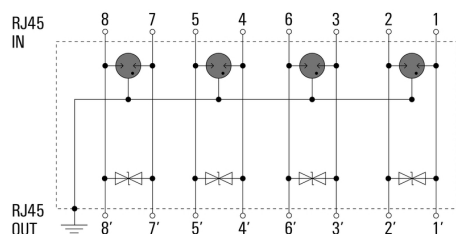
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



Circuit diagram