

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 _{P(L/N-PE)} ≤ 550 V
Order No.	1348590000
Type	VDATA CAT6
GTIN (EAN)	4050118153002
Qty.	1 pc(s).

Creation date January 23, 2022 4:00:27 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

V DATA CAT6

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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 μ s) wire-PE	10 kA	Discharge current I_n (8/20 μ s) wire-PE	5 kA
Discharge current, I_{imp} (10/350 μ s)	1 kA	Frequency range, max.	250 MHz
Insertion loss	≤ 1 dB @ 250 MHz	Lightning test current, I_{imp} (10/350 μ s) Wire-PE	1 kA
Max. continuous voltage, U_c (AC)	48 V	Protection level U_p (typ.)	≤ 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 μ s
Voltage type	AC/DC	Volume resistance	<0.1 Ω
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
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E311081

Downloads

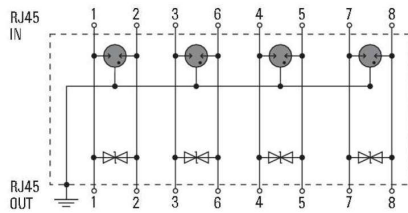
Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



Circuit diagram

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