

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 items

V DATA CAT6

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UL) E311081

Dimensions and weights

Depth	46 mm	Depth (inches)	1.811 inch
Height	75 mm	Height (inches)	2.9527 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)		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (UL)	E311081	Rated Voltage UN	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

Segment	Data surge protection	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
Design	miscellaneous, Adapter plug	Colour	Silver grey
Suitable for	RJ45 plug	Protection degree	IP20
Mounting rail	TS 35 x 15, TS 35 x 7.5	Operating altitude	≤ 2000 m

Insulation coordination acc. to EN 50178

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

Discharge current, Iimp (10/350 µs)	1 kA	Rated voltage (DC)	48 V
Rated current IN	1 A	Protection level, UP wire - wire	150 V
Protection level, UP wire - PE	550 V	Voltage type	AC/DC
Response time / fallback time	<1 ns	Volume resistance	<0.1 Ω
Frequency range, max.	250 MHz	Suitable for	RJ45 plug
Standards	IEC 61643-21	Requirements category acc. to IEC	D1, C1, C2, C3
		61643-21	

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Insertion loss	≤ 1 dB @ 250 MHz	Max. continuous voltage, U _c (AC)	48 V
Max. continuous voltage, U _c (DC)	50 V	Surge current-carrying capacity D1	1 kA 10/350 μs
Signal transmission properties (-3 dB)	250 kHz	Lightning test current, I _{imp} (10/350 μs)	1 kA
Rated load current I _L	1 A	Wire-PE	
Discharge current I _n (8/20μs) wire-PE	10 kA	Wire-wire capacitance @ 1 MHz, 1 V _{rms}	30 pF
Wire-PE capacitance @ 1 MHz, 1 V _{rms}	20 pF	Discharge current I _{max} (8/20μs) wire-PE	10 kA
		Surge current-carrying capacity C2	10 kA

Connection data

Wire connection method	RJ45-Port	Type of connection	RJ45-Port
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Electrical data

Voltage type	AC/DC
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General data

Protection degree	IP20	Colour	Silver grey
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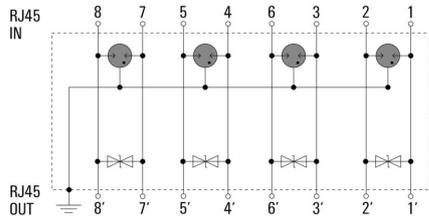
Guarantee

Time interval	5 years
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Classifications

ETIM 8.0	EC000943	ETIM 9.0	EC000943
ETIM 10.0	EC000943	ECLASS 14.0	27-17-15-03
ECLASS 15.0	27-17-15-03		

Drawings



Circuit diagram