

VDATA CAT5E

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, 802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4, Cat.5e
Order No.	2916360000
Type	VDATA CAT5E
GTIN (EAN)	4099986545519
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

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	118 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-40 °C...80 °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%

General data

Segment	Data surge protection	Version	802.3 bt at Type 1, 802.3 bt at Type 2, 802.3 bt at Type 3, 802.3 bt at Type 4, Cat.5e
Design	miscellaneous, Adapter plug	Colour	Silver grey
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, limp (10/350 µs)	1 kA	Signalling contact	No
Rated voltage (DC)	48 V	Rated current I _N	1 A
Protection level, UP wire - wire	600 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.	100 MHz
Standards	IEC 61643-21	Requirements category acc. to IEC 61643-21	D1, C1, C2, C3
Max. continuous voltage, U _c (AC)	48 V	Max. continuous voltage, U _c (DC)	72 V
Surge current-carrying capacity D1	1 kA 10/350 µs	Lightning test current, limp (10/350 µs) Wire-PE	1 kA
Discharge current I _n (8/20µs) wire-wire	1.5 kA	Wire-wire capacitance @ 1 MHz, 1 V _{rms}	30 pF
Discharge current I _n (8/20µs) wire-PE	10 kA	Discharge current I _{max} (8/20µs) wire-PE	10 kA
Wire-PE capacitance @ 1 MHz, 1 V _{rms}	20 pF	Surge current-carrying capacity C2	10 kA

Technical data

Connection data

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

Voltage type	AC/DC
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General data

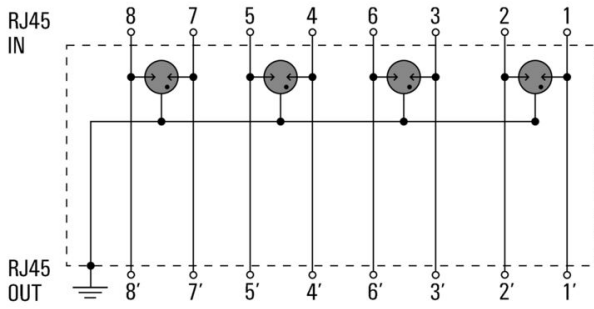
Protection degree	IP20	Colour	Silver grey
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Guarantee

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		



Circuit diagram