

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.

VDATE CAT6

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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
--------------------	---	------------------------	-----

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)	1 kA
Max. continuous voltage, U_c (AC)	48 V	Wire-PE	1 kA
Rated current I_N	1 A	Protection level U_p (typ.)	≤ 550 V
Response time	< 1 ns	Requirements category acc. to IEC 61643-21	C2, D1
Standards	According to IEC61643-21, UL	Signal transmission properties (-3 dB)	250 kHz
Surge current-carrying capacity C2	10 kA	Suitable for	RJ45 plug
Voltage type	AC/DC	Surge current-carrying capacity D1	1 kA 10/350 μ s
Wire-PE capacitance @ 1 MHz, 1 Vrms	20 pF	Volume resistance	$< 0.1 \Omega$
		Wire-wire capacitance @ 1 MHz, 1 Vrms	30 pF

Connection data

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

Guarantee

Time interval	5 years
---------------	---------

VDATA CAT6

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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
---------------------	-----------------

Approvals

Approvals



ROHS	Conform
UL File Number Search	E311081

Downloads

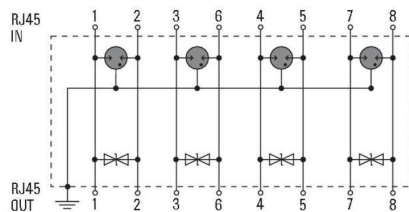
Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

VDATA CAT6

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



Circuit diagram

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1348590000](#)