

## VDATA CAT6

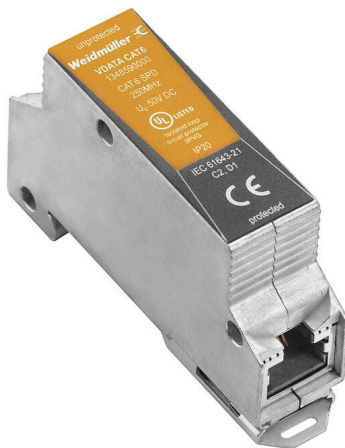
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.	<a href="#">1348590000</a>
Type	VDATA CAT6
GTIN (EAN)	4050118153002
Qty.	1 items

## 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, limp (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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## Technical data

Insertion loss	≤ 1 dB @ 250 MHz	Max. continuous voltage, U <sub>c</sub> (AC)	48 V
Max. continuous voltage, U <sub>c</sub> (DC)	50 V	Surge current-carrying capacity D1	1 kA 10/350 μs
Signal transmission properties (-3 dB)	250 kHz	Lightning test current, I <sub>imp</sub> (10/350 μs)	1 kA
Rated load current I <sub>L</sub>	1 A	Wire-PE	
Discharge current I <sub>n</sub> (8/20μs) wire-PE	10 kA	Wire-wire capacitance @ 1 MHz, 1 V <sub>rms</sub>	30 pF
Wire-PE capacitance @ 1 MHz, 1 V <sub>rms</sub>	20 pF	Discharge current I <sub>max</sub> (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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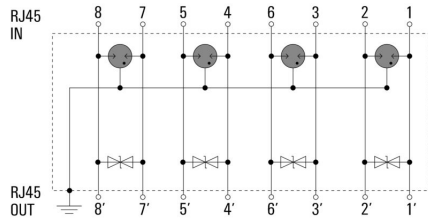
### Guarantee

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