VCG 24V EX 2 G 1/2

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

www.weidmueller.com



Similar to illustration

VARITECTOR Cable Gland (VCG) protects intrinsically safe circuits in IP67 applications
- Tested in accordance with IEC/EN 61643-21
- Suitable for use in EX areas
- High protection class with IP67
- Screw-in housing with different threads
- HART-compatible

General ordering data

Order No.	2593160000
Type	VCG 24V EX 2 G 1/2
GTIN (EAN)	4050118605143
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height of lowest version	54 mm	Width	24 mm
Width (inches)	0.945 inch	Length	78 mm
Length (inches)	3.071 inch	Diameter	28 mm
Net weight	180 g		

Temperatures

Storage temperature	-30 °C...60 °C	Operating temperature	-30 °C...60 °C

Protection Ex - Data

ATEX - dust labelling	IEC Ex BAS 18.0085X, Ex ia IIIC T85 °C Da, (-30 °C≤Ta≤50 °C)	ATEX - gas labelling	18ATEX0141X, II 1GD, Ex ia II T6 Ga, (-30 °C≤Ta≤50 °C)
Input power, max. P_I	2 W	Input voltage, max. U_i	50 V
Input current, max. I_i	0.8 A	Internal capacity, max. C_I	0 nF
Internal inductance, max. L_I	60 µH		

General data

Colour	silver	Design	straight, G 1/2 (BSP 1/2)
FIELD BUS FOUNDATION BUS H1 compatible	According to IEC 61158-2	Protection degree	IP67
Segment	Measurement - Monitoring - Setting	Version	Stainless steel screw mounting housing

Rated data IEC / EN

Dielectric strength at FG against PE	≥ 500 V	Discharge current I_{max} (8/20µs) wire-PE	10 kA
Discharge current I_{max} (8/20µs) wire-wire	10 kA	Discharge current I_n (8/20µs) wire-PE	5 kA
Discharge current I_n (8/20µs) wire-wire	5 kA	Frequency range, max.	30 MHz
Frequency range, min.	0 Hz	Input voltage, max. U_i	50 V
Insertion loss	30 MHz	Lightning test current, I_{imp} (10/350 µs) Wire-PE	1 kA
Lightning test current, I_{imp} (10/350 µs) wire-wire	1 kA	Protection level U_P (typ.)	< 1300 V
Protection level, U_P wire - PE	864 V	Protection level, U_P wire - wire	44 V
Rated voltage (DC)	24 V	Rated voltage (DC), max.	33 V
Requirements category acc. to IEC 61643-21	D1, C1, C2, C3	Response time	< 1 ns
Standards	IEC 61643-21, IEC 60079-0, IEC 60079-11		

Connection data

Cross-section	1 mm²	Wire connection method	Cable length: 250 mm (min.)

Ratings IECEx/ATEX/cUL

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Technical data

Guarantee

Time interval	5 years

Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ETIM 8.0	EC000943	ETIM 9.0	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
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27179090

Approvals

Approvals	ATEX IEC EX
ROHS	Conform

Downloads

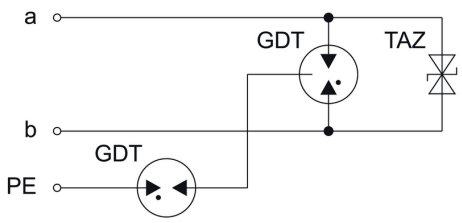
Approval/Certificate/Document of Conformity	IECEX ATEX EU_Konformitätserklärung / EU_Declaration_of_Conformity
User Documentation	Manual
Catalogues	Catalogues in PDF-format

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Drawings



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