

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

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

Temperatures

Storage temperature	-30 °C...60 °C	Operating temperature	-30 °C...60 °C
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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 mm ²	Wire connection method	Cable length: 250 mm (min.)
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Ratings IECEx/ATEX/cUL

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)
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www.weidmueller.com**Technical data****Guarantee**

Time interval	5 years
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Classifications

ETIM 6.0	EC000943	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
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Downloads

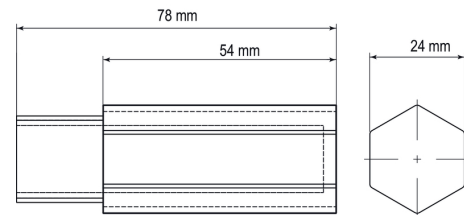
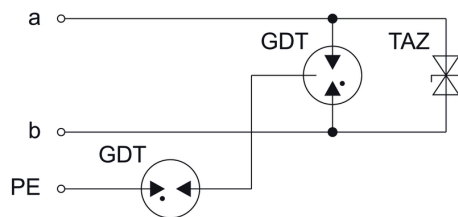
Approval/Certificate/Document of Conformity	IECEX ATEX CE VCG Series
User Documentation	Manual
Brochure/Catalogue	Catalogues in PDF-format

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Drawings



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