

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 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Height of lowest version	54 mm	Width	24 mm
Width (inches)	0.9449 inch	Length	78 mm
Length (inches)	3.0709 inch	Diameter	28 mm
Net weight	180 g		

Temperatures

Storage temperature	-30 °C...60 °C	Operating temperature	-30 °C...60 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

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. PI	2 W	Input voltage, max. Ui	50 V
Input current, max. Ii	0.8 A	Internal capacity, max. CI	0 nF
Internal inductance, max. LI	60 µH		

General data

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

Rated data IEC / EN

Rated voltage (DC), max.	33 V	Rated voltage (DC)	24 V
Protection level, UP wire - wire	44 V	Protection level, UP wire - PE	864 V
Protection level UP (typ.)	< 1300 V	Response time / fallback time	< 1 ns
Frequency range, max.	30 MHz	Frequency range, min.	0 Hz
Standards	IEC 61643-2-1, IEC 60079-0, IEC 60079-11	Dielectric strength at FG against PE	≥ 500 V
Requirements category acc. to IEC 61643-2-1	D1, C1, C2, C3	Insertion loss	30 MHz
Lightning test current, limp (10/350 µs) 1 kA wire-wire		Lightning test current, limp (10/350 µs) 1 kA Wire-PE	
Discharge current In (8/20 µs) wire-wire	5 kA	Discharge current In (8/20 µs) wire-PE	5 kA
Discharge current Imax (8/20 µs) wire-PE	10 kA	Discharge current Imax (8/20 µs) wire- wire	10 kA
Input voltage, max. Ui	50 V		

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Connection data

Cross-section	1 mm ²	Wire connection method	Cable length: 250 mm (min.)
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General data

Protection degree	IP67	Colour	silver
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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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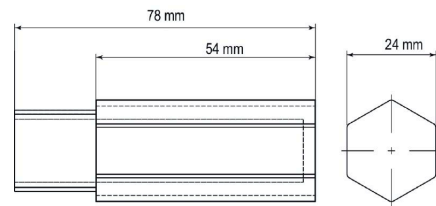
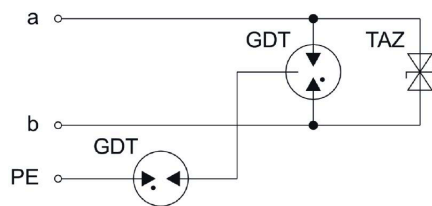
Guarantee

Time interval	5 years
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Classifications

ETIM 7.0	EC000943	ETIM 8.0	EC000943
ETIM 9.0	EC000943	ETIM 10.0	EC000943
ECLASS 12.0	27-17-15-02	ECLASS 13.0	27-17-15-02
ECLASS 14.0	27-17-15-02	ECLASS 15.0	27-17-15-02

Drawings



Similar to illustration