

**VCG 24V EX 2 G 1/2****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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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.	<a href="#">2593160000</a>
Type	VCG 24V EX 2 G 1/2
GTIN (EAN)	4050118605143
Qty.	1 pc(s).

## VCG 24V EX 2 G 1/2

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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
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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 <sub>i</sub>	2 W	Input voltage, max. U <sub>i</sub>	50 V
Input current, max. I <sub>i</sub>	0.8 A	Internal capacity, max. C <sub>i</sub>	0 nF
Internal inductance, max. L <sub>i</sub>	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 <sub>max</sub> (8/20µs) wire-PE	10 kA
Discharge current I <sub>max</sub> (8/20µs) wire-wire	10 kA	Discharge current I <sub>n</sub> (8/20µs) wire-PE	5 kA
Discharge current I <sub>n</sub> (8/20µs) wire-wire	5 kA	Frequency range, max.	30 MHz
Frequency range, min.	0 Hz	Input voltage, max. U <sub>i</sub>	50 V
Insertion loss	30 MHz	Lightning test current, I <sub>imp</sub> (10/350 µs) Wire-PE	1 kA
Lightning test current, I <sub>imp</sub> (10/350 µs) wire-wire	1 kA	Protection level U <sub>p</sub> (typ.)	< 1300 V
Protection level, U <sub>p</sub> wire - PE	864 V	Protection level, U <sub>p</sub> 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 <sup>2</sup>	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](http://www.weidmueller.com)**Technical data****Guarantee**

Time interval	5 years
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**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	27-17-90-90

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

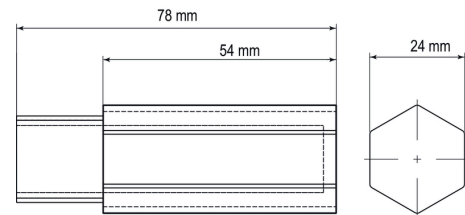
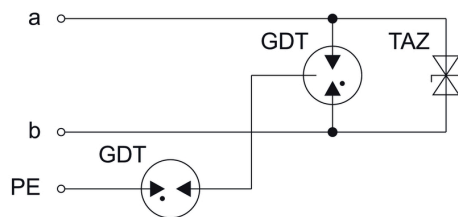
Approval/Certificate/Document of Conformity	<a href="#">IECEX</a> <a href="#">ATEX</a> <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
User Documentation	<a href="#">Manual</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings



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