

**(en) Electric current! Danger to life!**  
Only skilled or instructed persons may carry out the following operations.

**(de) Lebensgefahr durch elektrischen Strom!**

Nur Elektrofachkräfte und elektrotechnisch unterwiesene Personen dürfen die im Folgenden beschriebenen Arbeiten ausführen.

**(fr) Tension électrique dangereuse !**

Seules les personnes qualifiées et averties doivent exécuter les travaux ci-après.

**(es) ¡Corriente eléctrica! ¡Peligro de muerte!**

El trabajo a continuación descrito debe ser realizado por personas cualificadas y advertidas.

**(it) Tensione elettrica: Pericolo di morte!**

Solo persone abilitate e qualificate possono eseguire le operazioni di seguito riportate.

**(zh) 触电危险!**

只允许专业人员和受过专业训练的人员进行下列工作。

**(ru) Электрический ток! Опасно для жизни!**

Только специалисты или проинструктированные лица могут выполнять следующие операции.

**(nl) Levensgevaar door elektrische stroom!**

Uitsluitend deskundigen in elektriciteit en elektrotechnisch geïnstrueerde personen is het toegestaan, de navolgend beschreven werkzaamheden uit te voeren.

**(da) Livsfare på grund af elektrisk strøm!**

Kun uddannede el-installatører og personer der er instruerede i elektrotekniske arbejdsopgaver, må udføre de nedenfor anførte arbejder.

**(el) Προσοχή, κίνδυνος ηλεκτροπληξίας!**

Οι εργασίες που αναφέρονται στη συνέχεια θα πρέπει να εκτελούνται μόνο από ηλεκτρολόγους και ηλεκτροτεχνίτες.

**(pt) Perigo de vida devido a corrente eléctrica!**

Apenas electricistas e pessoas com formação electotécnica podem executar os trabalhos que a seguir se descrevem.

**(sv) Livsfara genom elektrisk ström!**

Endast utbildade elektriker och personer som undervisats i elektroteknik får utföra de arbeten som beskrivs nedan.

**(fi) Hengenvaarallinen jännite!**

Vain pätevät sähköasentajat ja opastusta saaneet henkilöt saavat suorittaa seuraavat työt.

**(cs) Nebezpečí úrazu elektrickým proudem!**

Níže uvedené práce směřjí provádět pouze osoby s elektrotechnickým vzděláním.

**(et) Eluhtlik! Elektrilöögiht!**

Järgnevalt kirjeldatud töid tohib teostada ainult elektriala spetsialist või elektrotehnilise instrueerimise läbinud personal.

**(hu) Életveszély az elektromos áram révén!**

Csak elektromos szakemberek és elektrotechnikában képzett személyek végezhetik el a következőkben leírt munkákat.

**(lv) Elektriskā strāva apdraud dzīvību!**

Tālāk aprakstītos darbus drīkst veikt tikai elektrospeciālisti un darbam ar elektrotehnikām iekārtām instruetās personas!

**(lt) Pavojus gyvybei dėl elektros srovės!**

Tik elektrikai ir elektrotechnikos specialistai gali atlikti žemiau aprašytus darbus.

**(pl) Porażenie prądem elektrycznym stanowi zagrożenie dla życia!**

Opisane poniżej prace mogą przeprowadzać tylko wykwalifikowani elektrycy oraz osoby odpowiedzialnie poinstruowane w zakresie elektrotechniki.

**(sl) Življenjska nevarnost zaradi električnega toka!**

Spodaj opisana dela smejo izvajati samo elektrostrokovnjaki in elektrotehnično poučene osebe.

**(sk) Nebezpečenstvo ohrozenia života elektrickým prúdom!**

Práce, ktoré sú nižšie opísané, smú vykonávať iba elektroodborníci a osoby s elektrotechnickým vzdelaním.

**(bg) Опасност за живота от електрически ток!**

Операциите, описани в следващите раздели, могат да се извършват само от специалисти-електротехници и инструктиран електротехнически персонал.

**(ro) Atenție! Pericol electric!**

Toate lucrările descrise trebuie efectuate numai de personal de specialitate calificat și de persoane cu cunoștințe profunde în electrotehnică.

**(hr) Opasnost po život uslijed električne struje!**

Radove opisane u nastavku smiju obavljati samo stručni električari i osobe koje su prošle elektrotehničku obuku.

**(tr) Elektrik akımı! Hayati tehlike!**

Aşağıdaki işlemleri yalnızca kalifiye veya eğitimli kişiler gerçekleştirebilir.

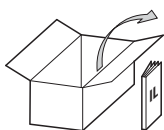
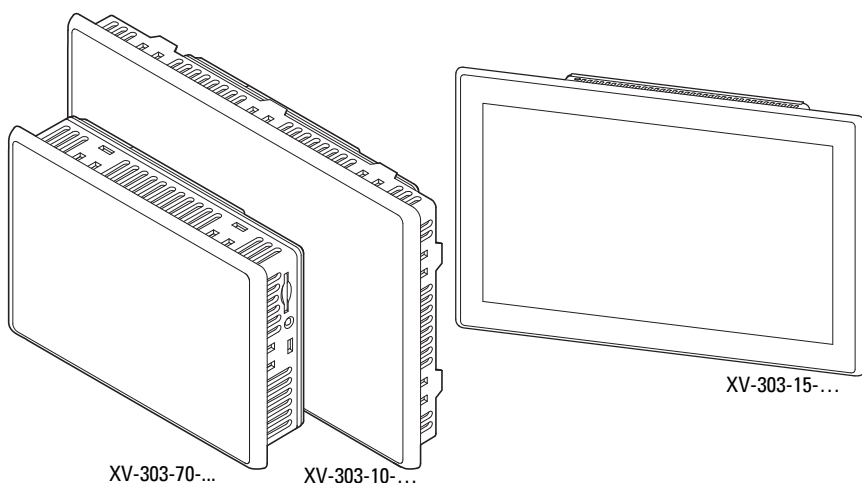
**(uk) Електричний струм! Небезпечно для життя!**

Виконувати означені далі операції дозволяється тільки кваліфікованим особам, що пройшли інструктаж.

**(ar) تحذير! تيار كهربائي! خطر موت لا تتم اعمال الصيانة و التركيب الا من قبل العاملين المدربين!**

## XV-303-...

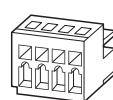
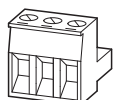
XV-303-70-..., XV-303-10-..., XV-303-15-...



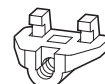
1x XV-303-...



0.75-2.5 mm<sup>2</sup>,  
AWG 18-12  
1x MSTB 2,5/3-ST-5,08  
(Phoenix Contact)



0.2-1.5 mm<sup>2</sup>,  
AWG 24-16  
only  
XV-303-...-E-...  
1x WAGO 734-104



IP65/NEMA  
(indoor use only –  
à l'intérieur seulement)



2 mm (5/64")  
M4 x 25 DIN 916  
M ≤ 0.1 Nm (0.86 lb-in)



Eaton.com/documentation  
MN048017...  
Eaton.com/xv300



**(en) Documentation must be consulted.**



**(de) Dokumentation muss konsultiert werden.**

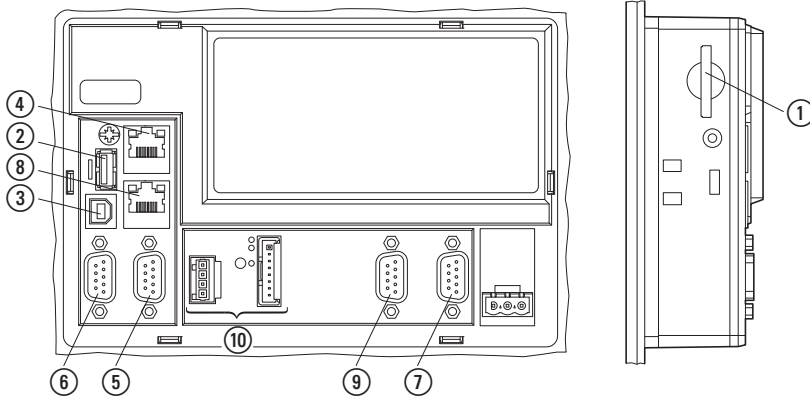


**(fr) Documentation doivent être consultes.**

7.0" 10" 15"

6x 10x 12x

## Interface



### XV-303-...

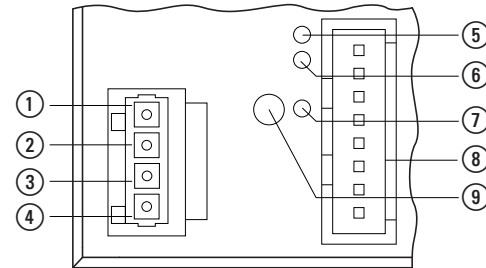
①	SD-Slot	
②	USB-Host	USB 2.0, Typ A
③	USB-Device	USB 2.0, Typ B
④	Ethernet 1	RJ-45
⑤	RS-485	SUB-D
⑥	RS-232	SUB-D
⑦	CAN	SUB-D
⑧	Ethernet 2 <sup>1)</sup>	RJ-45
⑨	Profibus <sup>1)</sup>	SUB-D
⑩	SmartWire-DT <sup>1)</sup>	

1) if provided

## RS-232, RS-485, CAN, Profibus

Pin	RS-232	RS-485	CAN	Profibus
		1 2 3 4 5 6 7 8 9		5 4 3 2 1 9 8 7 6
1	DCD	–	–	–
2	RxD	–	CAN-L	–
3	TxD	B	CAN-GND	B
4	DTR	–	–	RTSAS
5	GND	Ground	–	M5EXT
6	DSR	–	GND	P5EXT
7	RTS	A	CAN-H	–
8	CTS	–	–	A
9	RI	–	–	–

## SmartWire-DT

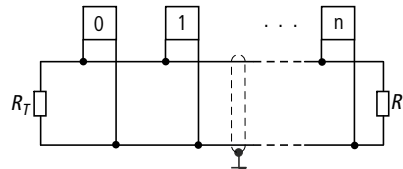


- ① +24 V DC POW
- ② 0 V DC POW
- ③ +24 V DC AUX
- ④ 0 V DC AUX
- ⑤ POW-LED
- ⑥ SWD-LED
- ⑦ Config-LED
- ⑧ SWD
- ⑨ Configuration button

## Standard connection

### GND

➔ Connect the GND terminals on all the bus modules.



	CANopen	Profibus
$R_T$	120 $\Omega$ ISO 11898	120 $\Omega$ Profibus Specification

## Support

### Region North America

Eaton Corporation  
Electrical Sector  
1111 Superior Ave.  
Cleveland, OH 44114  
United States  
877-ETN-CARE (877-386-2273)  
Eaton.com

### en Other regions

Contact your local supplier or ☒

### de Andere Regionen

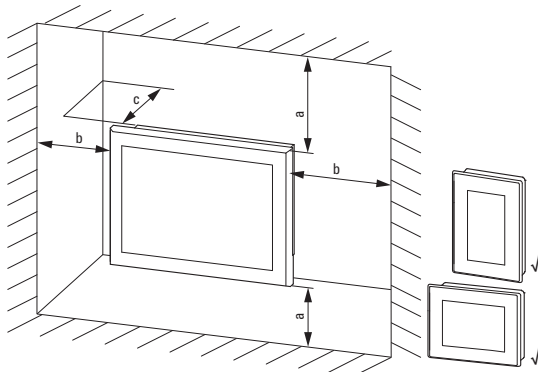
Kontaktieren Sie Ihren lokalen Lieferanten oder ☒

### fr Autres régions :

contactez votre représentant local ou ☒

☒ automation@eaton.com

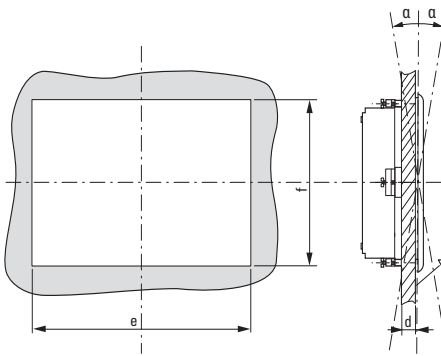
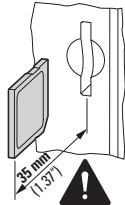
## Mounting position



XV-303-10-..., XV-303-70-..., XV-303-15-...  
 $a, b, c \geq 30 \text{ mm (1.18")}$

XV-303-10-..., XV-303-70-...  
 $2 \text{ mm (0.08")} \leq d \leq 5 \text{ mm (0.2")}$

XV-303-15-...  
 $1.5 \text{ mm (0.06")} \leq d \leq 4 \text{ mm (0.16")}$



XV-303-10-..., XV-303-70-...,  
 $\alpha \leq \pm 45^\circ, T \leq 50^\circ \text{C (122 }^\circ\text{F)}$

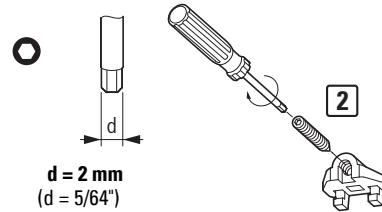
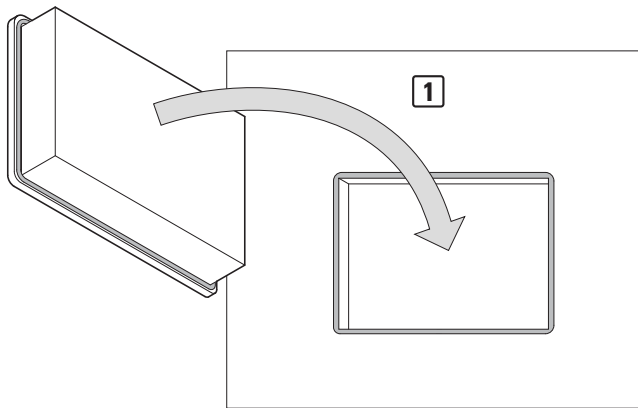
XV-303-15-00-...  
 $\alpha \leq \pm 10^\circ, T \leq 50^\circ \text{C (122 }^\circ\text{F)}$   
 $\alpha \leq \pm 45^\circ, T \leq 45^\circ \text{C (113 }^\circ\text{F)}$

XV-303-15-E-..., XV-303-15-02-...  
 $\alpha \leq \pm 10^\circ, T \leq 50^\circ \text{C (122 }^\circ\text{F)}$

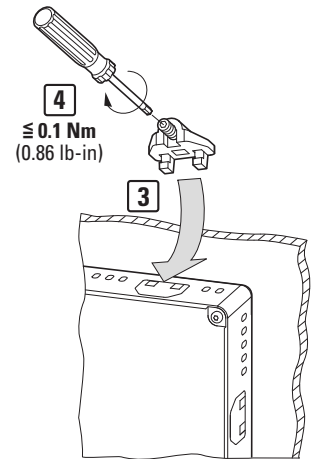
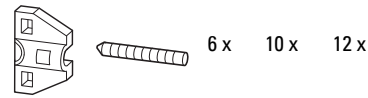
	XV-303-70-...	XV-303-10-...	XV-303-15-...
e	183 ±1 (7.20 ±0.04)	255.5 ±1 (10.06 ±0.04)	388 ±0.5 (15.28 ±0.02)
f	122 ±1 (4.80 ±0.04)	160.5 ±1 (6.32 ±0.04)	239 ±0.5 (9.40 ±0.02)
d	≤ 0.5 (0.02)		
Rz	≤ 120		
IP65	→ DIN ISO 2768-2 (K)		

## Mounting

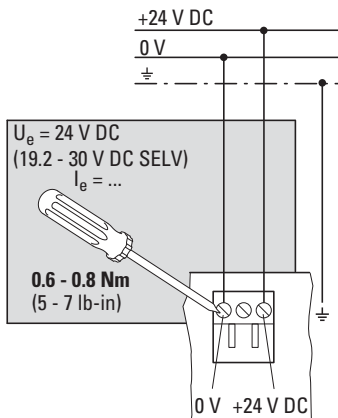
06/21 IL048009ZU



XV-303-...      7"    10"    15"



## Power supply

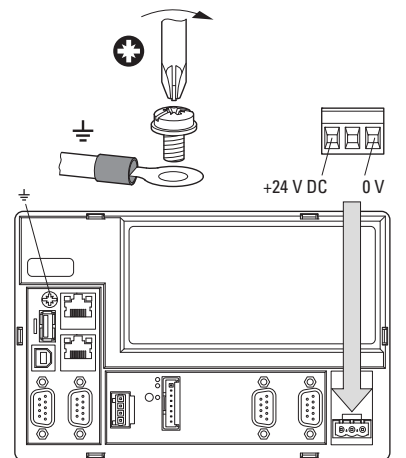


XV-303-    70-...    10-...    15-...

$I_e$  [A]    ≤ 0.6    ≤ 0.75    ≤ 0.9  
 $I_{TH}$  [A<sup>2</sup>s]    1.0    1.0    1.0

0.75 - 2.5 mm<sup>2</sup>  
 AWG18 - AWG12  
 use 60°C/75°C copper only

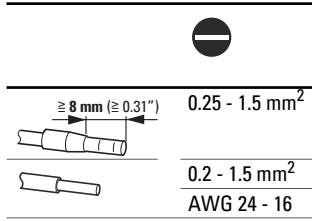
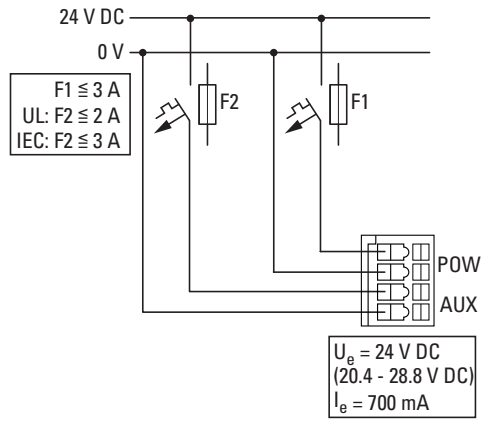
	$\geq 1.5 \text{ mm}^2$ ≤ AWG16
	$l \leq 350 \text{ mm (13.7")}$
	$d_i = 4.3 \text{ mm (0.17")}$ $d_a \leq 8 \text{ mm (0.31")}$
	PZ2 M4 x 8 1.3 Nm (11.5 lb-in)



# SmartWire-DT

XV-303-...-E-...

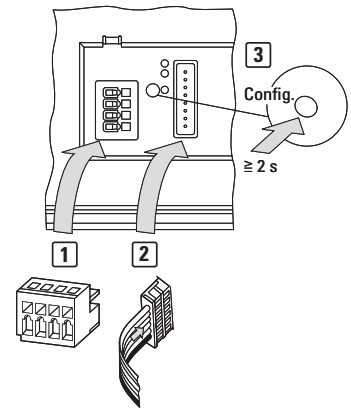
## POW/AUX SmartWire-DT



[Eaton.com/documentation](http://Eaton.com/documentation)  
**MN05006001Z...**  
**MN05006002Z...**  
**MN120006...**  
[Eaton.com/swd](http://Eaton.com/swd)

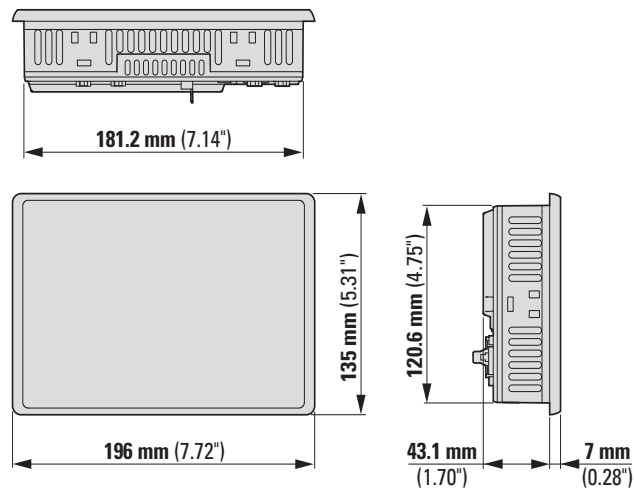
## SWD-OUT POW OFF

## SWD-Config POW ON

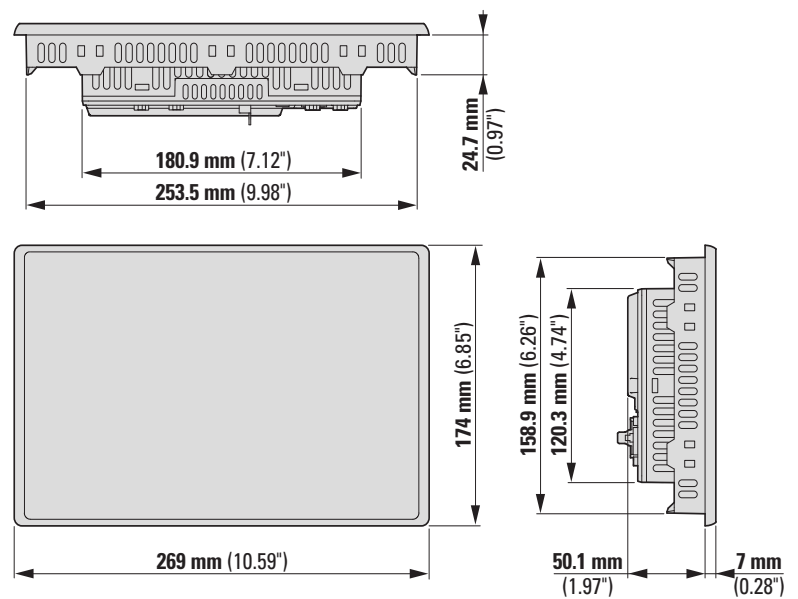


## Dimensions

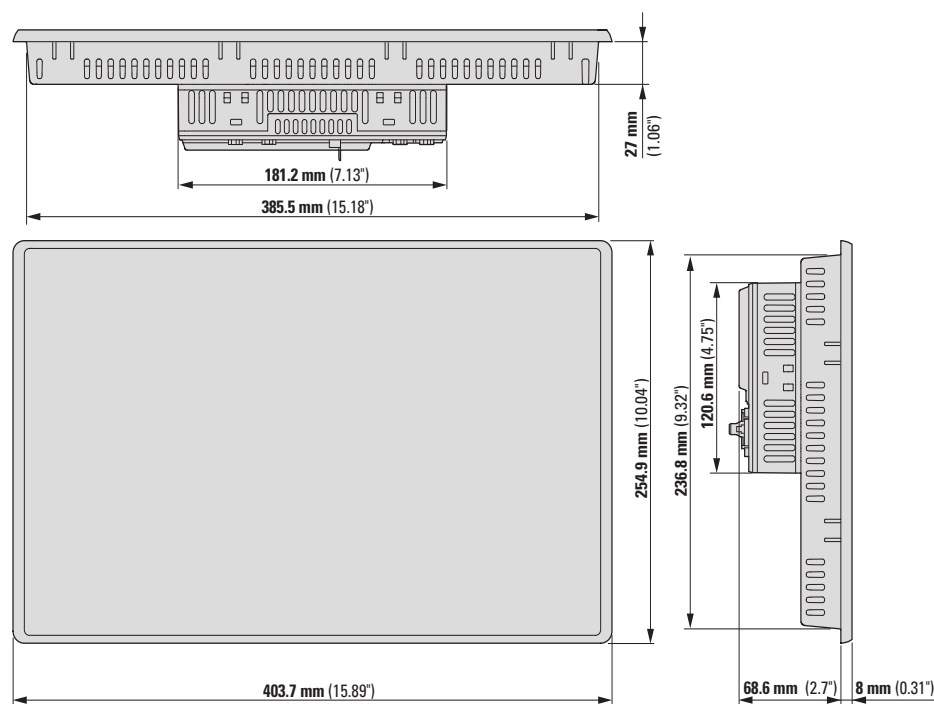
### XV-303-70-...



### XV-303-10-...



### XV-303-15-...



06/21 IL048009ZU

Doc. No.: CE2100273

## EU-Konformitätserklärung

EU declaration of conformity

Wir / We: Eaton Industries GmbH, 53105 Bonn, Germany,  
Hein-Moeller-Str. 7-11, 53115 Bonn, Germany

**erklären hiermit in alleiniger Verantwortung als Hersteller, dass das Produkt (die Produktfamilie)**  
declare under our sole responsibility as manufacturer that the product (family)

**HMI-PLC XV300**  
**HMI-PLC XV300**

**entsprechend der Auflistung auf Seite 2 und vorausgesetzt, dass es unter Berücksichtigung der Herstellerangaben, relevanten Einbauanweisungen und "anerkannten Regeln der Technik" installiert, gewartet und in den dafür vorgesehenen Anwendungen verwendet wird,**  
according to the list on page 2 and provided that it is installed, maintained and used in the application intended for, with respect to the relevant manufacturer's instructions, installation standards and "good engineering practices",

**den einschlägigen Bestimmungen der Richtlinie(n) des Rates entspricht:**  
complies with the provisions of Council directive(s):


2014/30/EU **EMV-Richtlinie / EMC Directive**  
2011/65/EU **RoHS-Richtlinie / RoHS Directive**  
2014/34/EU **ATEX-Richtlinie / ATEX Directive**

**und mit den folgenden Normen übereinstimmt:**  
based on compliance with the following standard(s):

EN 60079-31:2014  
EN 61000-6-2:2005 + AC:2005  
EN 61000-6-4:2007 + A1:2011  
EN IEC 60079-0:2018  
EN IEC 63000:2018

**Kennzeichnung:**  **II 3D Ex tc IIIC T70°C IP6x**  
**Marking:**

Bonn, 18.06.2021

  
i.A. Edgar Willems  
Director Quality  
Industrial Controls & Protection Division

  
Powering Business Worldwide

  
i.A. Paolo D'Amico  
Head of Product Line Management  
Machine Operation & Control

Seite/page 1 / 2

Doc. No.: CE2100273

## Typen des Sortiments

Types within the range

**Die Konformitätserklärung gilt für folgende Typen der Produktfamilie und in Kombination mit den darunter folgenden Produkten:**

The declaration of conformity applies to the following types within the product family and in combination with products listed below.

XV-303  
XV-313

Bonn, 18.06.2021

  
i.A. Edgar Willems  
Director Quality  
Industrial Controls & Protection Division

  
Powering Business Worldwide

  
i.A. Paolo D'Amico  
Head of Product Line Management  
Machine Operation & Control

Seite/page 2 / 2

