

# Starter kit, EASY512-DC-RC, EASY200-POW, EASY-USB-CAB and easySoft-Basic $\,$

Powering Business Worldwide\*

Part no. EASY-BOX-512-DC-USB Article no. 116563

<b>Delivery</b>	nroarom
IJEIIVEIV	III UUII AIII
2011101	program

Heat dissipation at 24 V DC	W 2	

# **Technical data**

#### General

Standards	EN 55011, EN 55022, IEC/EN 61000-4, IEC 60068-2-6, IEC 60068-2-27
Mounting	Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)

### **Terminal capacities**

Solid	$mm^2$	0.2/4 (AWG 22 - 12)
Flexible with ferrule	mm <sup>2</sup>	0.2/2.5 (AWG 22 - 12)

#### **Climatic environmental conditions**

Operating ambient temperature	°C	In accordance with IEC 60068-2-1, -25 - +55
Condensation		Take appropriate measures to prevent condensation
relative humidity	%	in accordance with IEC 60068-2-30, IEC 60068-2-78 5 - 95
Air pressure (operation)	hPa	795 - 1080

## **Ambient conditions, mechanical**

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations	3,5 mm / 1 g	Hz	In accordance with IEC 60068-2-6 constant amplitude 0.15 mm: 10 - 57 constant acceleration 2 g: 57 - 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	18
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1
Mounting position			Vertical or horizontal

## **Electromagnetic compatibility (EMC)**

Overvoltage category/pollution degree		III/2
Electrostatic discharge (ESD)		
applied standard		according to IEC EN 61000-4-2
Air discharge	kV	8
Contact discharge	kV	6
Immunity to line-conducted interference to (IEC/EN 61000-4-6)	V	10
The state of the s		

#### **Insulation resistance**

Clearance in air and creepage distances	EN 50178, UL 508, CSA C22.2, No. 142
Insulation resistance	EN 50178
D I	

#### **Power supply**

Heat dissipation at 24 V DC	W 2	
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# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	W	2
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			

10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Meets the product standard's requirements.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

# **Technical data ETIM 6.0**

TCCIIIICAI data ETIM 0.0		
PLC's (EG000024) / Logic module (EC001417)		
Electric engineering, automation, process control engineering / Control / Program	mable logic control (S	SPS) / Logic module (ecl@ss8.1-27-24-22-16 [AKE539011])
Supply voltage AC 50 Hz	V	0 - 0
Supply voltage AC 60 Hz	V	0 - 0
Supply voltage DC	V	20.4 - 28.8
Voltage type of supply voltage		DC
Switching current	Α	8
Number of analogue inputs		2
Number of analogue outputs		0
Number of digital inputs		8
Number of digital outputs		4
With relay output		Yes
Number of HW-interfaces industrial Ethernet		0
Number of HW-interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		0
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		0
Number of HW-interfaces parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		1
With optical interface		No
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		No
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No

With display         Yes           Degree of protection (IP)         1P20           Basic device         Yes           Expandable         No           Expansion device         No           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Suitable for safety functions         Yes           Category according to EN 954-1         No           SIL according to EN 954-1         No           SIL according to IEC 61508         No           Performance level acc. to EN ISO 13849-1         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         No			
Supporting protocol for DeviceNet         No           Supporting protocol for SUCONET         No           Supporting protocol for FROFINET IO         No           Supporting protocol for PROFINET IO         No           Supporting protocol for PROFINET IO         No           Supporting protocol for SERDOS         No           Supporting protocol for SERDOS         No           Supporting protocol for SERDOS         No           Supporting protocol for Sell-active SERDY         No           Supporting protocol for Sell-active SERDY         No           Supporting protocol for DevisionNet Stately         No           Supporting protocol for DevisionNet Stately         No           Supporting protocol for SHAPPUS STATELY	Supporting protocol for MODBUS		No
Supporting protection SUCONET         No           Supporting protection LDN         No           Supporting protection PROBINET DB         No           Supporting protection of PROBINET DBA         No           Supporting protection of SERCOS         No           Supporting protection of SERCOS         No           Supporting protection of EthenkerIP         No           Supporting protection of EthenkerIP         No           Supporting protection of Na-Interface Safety at Work         No           Supporting protection of PROFIsatiff         No           Supporting protection of PROFIsatiff         No           Supporting protection of PROFIsatiff         No           Supporting protection of the flux systems         No           Subdition standard SBM         No           Subdition standard SBM         No	Supporting protocol for Data-Highway		No
Supporting protocol for LDN         No           Supporting protocol for PROFINET LD         No           Supporting protocol for PROFINET CDA         No           Supporting protocol for SERCOS         No           Supporting protocol for Foundation Fieldeus         No           Supporting protocol for Satisfystude         No           Radio canadard MAN ROZ-11         No           Radio canadard MAN ROZ-12         No           Readio can	Supporting protocol for DeviceNet		No
Supporting protocol for PMOFINET ICEA         No           Supporting protocol for PMOFINET ICEA         No           Supporting protocol for SERCIOS         No           Supporting protocol for SERCIOS         No           Supporting protocol for EtherkarUP         No           Supporting protocol for OtherkarUP         No           Supporting protocol for OtherkarUP         No           Supporting protocol for INTERBUS-Safety         No           Supporting protocol for INTERBUS-Safety         No           Supporting protocol for OtherkarUS         No           Supporting protocol for Other bus systems         No           Supporting protocol for other bus systems         No           Redio standard Blustooth         No           Redio standard Blustooth         No           Redio standard SMA         No           Redio standard UMTA         No           Redio standard UMTA         No           Redio standard UMTA         No           Redundancy         No           With display         No           Redundancy         No           With display         No           Redundancy         No           With display         No           Suppare of protocotion (IP)	Supporting protocol for SUCONET		No
Supporting protocol for PROFINET CBA         Na           Supporting protocol for SERCOS         Na           Supporting protocol for Deutstalon Feldbus         Na           Supporting protocol for Deutstalon Feldbus         Na           Supporting protocol for Deutstalon Feldbus         Na           Supporting protocol for Deutstalon Safety         Na           Supporting protocol for PROFISTALON         Na           Redict standard Bluetoolh         Na           Redict standard WLAN 802.11         Na	Supporting protocol for LON		No
Supporting protocol for SERCOS         No           Supporting protocol for Foundation Fieldbus         No           Supporting protocol for Foundation Fieldbus         No           Supporting protocol for AF-Interface Safety at Work         No           Supporting protocol for DeviceHest Safety         No           Supporting protocol for MITERBUS-Safety         No           Supporting protocol for SAFetyBUS p         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for other beasystems         No           Radio sandard Bluesdoth         No           Radio sandard Bluesdoth         No           Radio sandard SBMS         No           Radio sandard GPIS         No           Radio sandard GMMS         No           10 link master         No           Redemdancy         No           With display         Yes           Degree of protection IIP)         IP20           Basic divice         Yes           Expandable         Yes           Expandable         Yes           With timer         Yes           Radi mounting possible         Yes           Will moutting/differct mounting         No           Front build in possible	Supporting protocol for PROFINET IO		No
Supporting protocol for EdwarksIPF         No           Supporting protocol for EdwarksIPF         No           Supporting protocol for DevaceNet Safety         No           Radio Safety Bally         No           Repail Safety B	Supporting protocol for PROFINET CBA		No
Supporting protocol for EherNevIP         No           Supporting protocol for AS-interface Safety at Work         No           Supporting protocol for PAS-interface Safety set Work         No           Supporting protocol for PAS-interface Safety         No           Radio standard Bustooth         No           Will siplay         Yes           Degree of protection (IP)         No           Basic device         No           Expandable         No           Expandable         No           Will mounting/direct mounting	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Salety at Work         No           Supporting protocol for Device-Next Safety         No           Supporting protocol for INTERBUS-Salety         No           Supporting protocol for Safety-BUS p         No           Supporting protocol for Safety-BUS p         No           Supporting protocol for Gafety-BUS p         No           Supporting protocol for Safety-BUS p         No           Radio standard Bluetooth         No           Radio standard BURTAN         No           Radio standard GMA         No           Radio standard GMS         No           Radio standard GMTS         No           Reduction standard GMTS         No           Res	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DeviceNet Safety         No           Supporting protocol for INTERBUS-Safety         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for other bus systems         No           Radio standard Blustooth         No           Radio standard BUAN 802.11         No           Radio standard GPRS         No           Respect to standard GPRS         No	Supporting protocol for EtherNet/IP		No
Supporting protocol for PROFIDSTafe	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFISATE         No           Supporting protocol for SafetyBUS p         No           Supporting protocol for other bus systems         No           Radio standard Blustoch         No           Radio standard Blustoch         No           Radio standard WLAN 802.11         No           Radio standard GSM         No           Radio standard GMS         No           Radio standard UMTS         No           In link master         No           Redundancy         No           With displey         Yes           Besic device         Yes           Expandable         No           Expandable         Yes           Radii munining possible         Yes           With timer         Yes           Rall munining possible         Yes           Wall munining possible         No           Rack- assembly possible         No           Suitable for safety functions         Yes           Suitable for safety functions         No           Suitable for safety functions         No           Suitable for safety functions         No           Porformance level act. to FNISO 13849-1         No           Appendant operation agent (Ex it	Supporting protocol for DeviceNet Safety		No
Supporting protocol for other bus systems         6         10 <td>Supporting protocol for INTERBUS-Safety</td> <td></td> <td>No</td>	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems         Inc.         No.           Radio standard BURDOM         No.         No.           Radio standard GRMS         No.         No.           Radio standard GSM         No.         No.           Radio standard UMTS         No.         No.           10 link master         No.         No.           Redundancy         No.         No.           Redundancy         No.         No.           With display         P2         No.           Darge of protection (IP)         P2         P2           Basic device         Yes         No.           Expandable         No.         No.           Expandable         Yes         No.           Expandable         No.         No.           With timer         Yes         No.           Radii mounting direct mounting         Yes         No.           Front build in passible         No.         No.           Rack-assembly possible         No.         No.           Suitable for safety functions         No.         No.           Category according to EX 984-1         No.         No.           St. Laccording to EX 985-1         No.         No. <td>Supporting protocol for PROFIsafe</td> <td></td> <td>No</td>	Supporting protocol for PROFIsafe		No
Radio standard Bluetooth                   No           Radio standard WLAN 80211         No           Radio standard GPRS         No           Radio standard GPRS         No           Radio standard GMTS         No           Radio standard GMTS         No           Redio standard GMTS         PS           Separation GMTS         No           Separation GMTS         No           Wall mounting possible         Ps           Wall mounting direct mounting         No           Schabe for setty functions         Po           Schabe for setty functions         Po <td>Supporting protocol for SafetyBUS p</td> <td></td> <td>No</td>	Supporting protocol for SafetyBUS p		No
Radio standard WLAN 802.11                   No           Radio standard GPRS         No         No           Radio standard GSM         No         No           Radio standard UMTS         No         No           10 link master         No         No           Redundancy         No         No           Well display         Yes         Perocentrol (IP)           Basic device         Yes         No           Expandable         No         No           Expandable         Yes         No           Will immer         Yes         Yes           Rail mounting possible         Yes         Yes           Wall mounting direct mounting         Yes         Yes           Stuitable for safety functions         Yes         Yes           Category according to EN 954-1         No         Yes           Stuitable for safety functions         Yes         No           Category according to EN 954-1         No         Yes           Stuitable for safety functions         Yes         No           Category according to EN 954-1         Yes         No           Stuited for safety functions         Yes         No           Appendant operation agent (Ex io)<	Supporting protocol for other bus systems		No
Radio standard GPRS         No           Radio standard SMN         No           Radio standard UMTS         No           10 link master         No           Redundancy         No           With display         Yes           Degree of protection (IP)         IP20           Basic device         IP20           Expandable         No           Expandable         No           With timer         No           Rail mounting possible         Yes           Wall mounting forestide two unting for safety functions         No           Rack-assembly possible         No           Rack-assembly possible         No           Suitable for safety functions         No           Category according to EN 954-1         No           Sil according to EN 950-1084-1         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for dust         No           Width	Radio standard Bluetooth		No
Radio standard GSM	Radio standard WLAN 802.11		No
Radio standard UMTS         No           10 link master         No           Redundancy         No           With display         Yes           Degree of protection (IP)         IP20           Basic device         Yes           Expandable         No           Expandable         No           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         No           Suitable for safety functions         Yes           Category according to EN 954-1         No           SIL according to EEC 61508         Yes           Performance level acc. to EN 103 1849-1         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for dust         Yes           Width         None           Explosion safety category for dust         None           Width         None           Explosion safety category for dust         None           Width         None           Explosion safety category for dust <t< td=""><td>Radio standard GPRS</td><td></td><td>No</td></t<>	Radio standard GPRS		No
10 link master         No           Redundancy         No           With display         Yes           Degree of protection (IP)         IP20           Basic device         Yes           Expandable         No           Expandable         No           Expandable         Yes           Wall mounting divice         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         No           Rack-assembly possible         No           Suitable for safety functions         No           Category according to EM 954-1         No           SIL according to IEC 61508         No           Performance level acc. to EN ISO 13849-1         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ib)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         None           Height         None	Radio standard GSM		No
Redundancy         No           With display         Yes           Degree of protection (IP)         IP20           Basic device         Yes           Expandable         No           Expandable         No           Expansion device         No           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Yes         No           Rack-assembly possible         No           Suitable for safety functions         No           Suitable for safety functions         No           Suitable for safety functions         No           Sutaccording to EN 954-1         No           SIL according to EN 954-1         No           SIL according to EC 81508         None           Performance level acc. to EN ISO 13849-1         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         None           Explosion safety category for gas         None           Explosion safety category for dust         None           Width         None           Width         None	Radio standard UMTS		No
With display         Yes           Degree of protection (IP)         1P20           Basic device         Yes           Expandable         No           Expansion device         No           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Suitable for safety functions         Yes           Category according to EN 954-1         No           SIL according to EN 954-1         No           SIL according to EN 954-1         None           Supendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         None           Explosion safety category for dust         No           Width         None           Explosion safety category for dust         No           Width         No           No         No           No         No           No         No           No<	10 link master		No
Degree of protection (IP)         F20           Basic device         Yes           Expandable         No           Expansion device         Yes           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         Yes           Suitable for safety functions         Yes           Category according to EN 954-1         No           SIL according to IEC 61508         Yes           Performance level acc. to EN ISO 13849-1         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         No	Redundancy		No
Basic device         Yes           Expandable         No           Expansion device         No           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         No           Suitable for safety functions         Yes           Category according to EN 954-1         No           SIL according to IEC 61508         Yes           Performance level acc. to EN ISO 13849-1         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ib)         No           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         None           Height         None           Width         None           Performance level acc. to EN ISO 13849-1         No           Appendant operation agent (Ex ib)         No           None         No           Explosion safety category for dust         No           Width         No           No         No           No         No	With display		Yes
Expandable         Mo           Expansion device         Mo           With timer         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         No           Suitable for safety functions         Yes           Category according to EN 954-1         No           Sill according to IEC 61508         Yes           Performance level acc. to EN ISO 13849-1         Yes           Appendant operation agent (Ex ia)         Yes           Appendant operation agent (Ex ia)         Yes           Explosion safety category for dust         Yes           Width         Yes           Height         Image: Mone           Width         Yes           Width         Yes           None           Revision safety category for dust         Yes           Width         Yes           None           Revision safety category for dust         Yes           Width         Yes           None         Yes           None         Yes           Yes         Yes           None <td< td=""><td>Degree of protection (IP)</td><td></td><td>IP20</td></td<>	Degree of protection (IP)		IP20
Expansion device  With timer  Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. to EN ISO 13849-1  Appendant operation agent (Ex ia)  Appendant operation agent (Ex	Basic device		Yes
With timer  Rail mounting possible  Rail mounting/direct mounting  Front build in possible  Rack-assembly possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. to EN ISO 13849-1  Appendant operation agent (Ex ia)  Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  Height	Expandable		No
Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. to EN ISO 13849-1  Appendant operation agent (Ex ia)  Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  Height  Yes  Yes  Yes  No  No  No  No  No  No  No  No  No  N	Expansion device		No
Wall mounting/direct mounting Front build in possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height  Wes No	With timer		Yes
Front build in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Height  No  No  No  No  No  No  No  No  No  N	Rail mounting possible		Yes
Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height  No  No  No  No  No  No  No  No  No  N	Wall mounting/direct mounting		Yes
Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height  No  No  No  No  No  No  No  No  No  N	Front build in possible		No
Category according to EN 954-1  SIL according to IEC 61508  Performance level acc. to EN ISO 13849-1  Appendant operation agent (Ex ia)  Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  None	Rack-assembly possible		No
SIL according to IEC 61508  Performance level acc. to EN ISO 13849-1  Appendant operation agent (Ex ia)  Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  None  No	Suitable for safety functions		No
Performance level acc. to EN ISO 13849-1NoneAppendant operation agent (Ex ia)NoAppendant operation agent (Ex ib)NoExplosion safety category for gasNoneExplosion safety category for dustNoneWidthmm71.5Heightmm90	Category according to EN 954-1		
Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Appendant operation agent (Ex ia) Append	SIL according to IEC 61508		None
Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Height  No  None  None  None  1.5  Mmm  90	Performance level acc. to EN ISO 13849-1		None
Explosion safety category for gas  Explosion safety category for dust  Width  Height  None  None  7.5  None  None  7.5	Appendant operation agent (Ex ia)		No
Explosion safety category for dustNoneWidthmm71.5Heightmm90	Appendant operation agent (Ex ib)		No
Widthmm71.5Heightmm90	Explosion safety category for gas		None
Height 90	Explosion safety category for dust		None
	Width	mm	71.5
Depth mm 58	Height	mm	90
	Depth	mm	58