

# Feeder module, SmartWire-DT, supply for contactors/cards of a local SWD segment

Powering Business Worldwide

Part no. SWD4-FFR-PF1-1 Article no. 168880 Catalog No. SWD4-FFR-PF1-1

# **Delivery program**

71 0	
Product range	SmartWire-DT accessories
Basic function	Cable adapters
Function	SWD power supply module
Description	SWD power supply module for modules (IP20) on a local SWD segment
Connection to SmartWire-DT	yes

## **Technical data**

#### General

Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	71.5 x 90 x 45
Weight		kg	0.11
Mounting			Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)
Mounting position			As required
Power loss	P	W	2.6
Ambient conditions mechanical			

#### **Ambient conditions, mechanical**

Protection type (IEC/EN 60529, EN50178, VBG 4)		IP20
Vibrations (IEC/EN 61131-2:2008)		
Constant amplitude 3,5 mm	Hz	
constant amplitude 0.15 mm max.	Hz	8.4
Constant amplitude 0.15 mm min. (RefExtrakt)	Hz	5
Constant acceleration 1 g	Hz	
constant acceleration 1 g max.	Hz	150
constant acceleration 1 g min.	Hz	8.4
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms	Impacts	9

## **Electromagnetic compatibility (EMC)**

Electrostatic discharge (IEC/EN 61131-2:2008)		
Air discharge (Level 3)	kV	8
Contact discharge (Level 2)	kV	4

#### **Climatic environmental conditions**

Climatic proofing			Dry heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3
Air pressure (operation)		hPa	795 - 1080
Ambient temperature			
Operation	θ	°C	-25 - +55
Storage / Transport	θ	°C	-40 - +70
Relative humidity			
Condensation			Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	0 - 95

## **Connection options**

Connection 1	Plug, 8-pole
Number of insertion cycles	≥ 200
Connection 2	Push in terminals

# Design verification as per IEC/EN 61439

Technical data for design verification			
· ·			2
Rated operational current for specified heat dissipation	In	А	U
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	$P_{\text{vid}}$	W	0

Heat dissipation capacity	D		
	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
Degree of Protection			IP20
C/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 hea and fire due to internal electric effects	t		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**

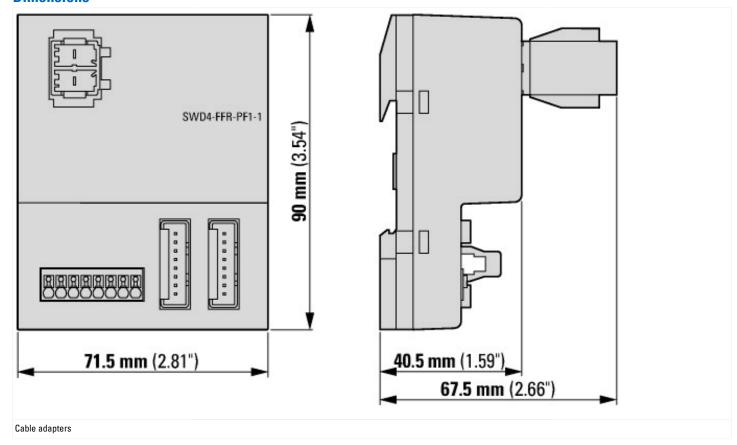
PLC's (EG000024) / Fieldbus, decentr. periphery - power supply/segment module (EC001600)

Flectric engineering automation process control engineering / Control / Field hus decentralized peripheral / Field hus decentralized peripheral - feed and segment module

Electric engineering, automation, process control engineering / Control / Field bus, decentralized peripheral / Field bus, decentralized peripheral - feed and segment module (ecl@ss8.1-27-24-26-10 [BAA071010])		
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
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 parallel		0
Number of HW-interfaces Wireless		0
Number of HW-interfaces other		3
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

Supporting protocol for MODELLS         No           Supporting protocol for Devocablext         No           Supporting protocol for PRDFINET ICOL         No           Supporting protocol for PRDFINET CEAR         No           Supporting protocol for FRDFINET CEAR         No           Supporting protocol for FRDFINET Feathurs         No           Redia standard Statesture         No           Redia standard Statesture <t< th=""><th></th><th></th><th></th></t<>			
Supporting protocol for SUCONET         Na           Supporting protocol for SUCONET         Na           Supporting protocol for ENCONET         Na           Supporting protocol for PROFINET IO         Na           Supporting protocol for PROFINET ECA         Na           Supporting protocol for Foundation Fieldbus         Na           Supporting protocol for PROFINET         Na           Supporting protocol for PROFINET         Na           Supporting protocol for SelferyBUSP         Na           Supporting protocol for Other Interest Selfery         Na           Supporting protocol for Other Interest Selfery         Na           Supporting protocol for Other Interest Selfery         Na           Radio standard UMAN BW2.11         Na           Radio standard UMAN BW2.12         Na           Radio standard UMAN BW2.12         Na           Radio standard UMAN BW2.12         Na           No         Na           Subt	Supporting protocol for MODBUS		No
Supporting protect for SUCONET         No           Supporting protect for LDN         No           Supporting protect for PROFINET CBA         No           Supporting protect for PROFINET CBA         No           Supporting protect for PROFINET CBA         No           Supporting protect for Effective Flore         No           Supporting protect for Effective Flore         No           Supporting protect for Effective Flore         No           Supporting protect for Effective Earliery at Work         No           Supporting protect for Effective Earliery at Work         No           Supporting protect for FROFIASE         No           Ratio standard Blutatoch         No           Ratio standard SMA         No           Ratio standard SMA         No           Ratio standard SMA         No	Supporting protocol for Data-Highway		No
Supporting protect for LNN         No           Supporting protect for PRDRNET IOS         No           Supporting protect for PRDRNET IOSA         No           Supporting protect for SEROSS         No           Supporting protect for Exendation Fieldhus         No           Supporting protect for Fundation Fieldhus         No           Supporting protect for Fundation Fieldhus         No           Supporting protect for DeviceNex Stafey         No           Supporting protect for DeviceNex Stafey         No           Supporting protect for PRDRIBUS Stafey         No           Radia standard Bluetoth         No           Radia standard WLM BIZL1         No           Radia standard SMA         No           Radia standard SMA         No           Radia standard UMTS         No           Stertam accessor         Pe           Repert of protection OPI         Pe           Vill powers supply module         No           Suitable as segment module         No           Build in unuting Siferct mounting         No           Find tho	Supporting protocol for DeviceNet		No
Supporting protected for PROFINET IO         No           Supporting protected for PROFINET CEAS         No           Supporting protected for SERGIS         No           Supporting protect for Foundation Fieldbus         No           Supporting protect for Foundation Fieldbus         No           Supporting protect for EtherHerIPF         No           Supporting protect for Cherichest Safety         No           Supporting protect for IVERBISS-Safety         No           Red data Safety May 1821         No           Radio standard SBM         No           Radio standard SBM         No           Radio standard SBM         No           Visit patient as sparation         No           With power page and to safety standard SBM         No           Radio standard SBM	Supporting protocol for SUCONET		No
Supporting protocol for PROTINT CBA         No           Supporting protocol for SERIOS         No           Supporting protocol for EnterNet/IP         No           Supporting protocol for EnterNet/IP         No           Supporting protocol for FREMUS-Staffy         No           Supporting protocol for AS-Interface Safety at Work         No           Supporting protocol for PROFISED         No           Supporting protocol for PROFISED         No           Supporting protocol for SafetyBUS G         No           Supporting protocol for SafetyBUS G         No           Red on standard Bluetoth         No           Red on standard Bluetoth         No           Red on standard MVAN 802.11         No           Red on standard WMTS         No           With power supply model         1P2           With power supply model         1P3           With power supply model         1P3           Will power supply model         1P3           Bill uncounting possible         No	Supporting protocol for LON		No
Supporting protected for SERCOS         No           Supporting protected for Foundation Fieldburd         No           Supporting protected for Foundation Fieldburd         No           Supporting protect for foundation of the Model?         No           Supporting protect for Device Medical Safety         No           Supporting protect for Device Medical Safety         No           Supporting protect for Profiles Safety         No           Supporting protect for SafetyBUS p         No           Redic standard WILAN 802.11         No           Redic standard WILAN 802.14         No           Redic standard GPRS         No           Redic standard WILAN 802.14         No <td>Supporting protocol for PROFINET IO</td> <td></td> <td>No</td>	Supporting protocol for PROFINET IO		No
Supporting protocol for Februndation Fieldbas           No           Supporting protocol for Ethun-NetPF         No           Supporting protocol for Shintrafeas Eafery at Work           No           Supporting protocol for Develoablet Safety         No           Supporting protocol for PROFIsate         No           Supporting protocol for PROFIsate         No           Supporting protocol for delange Supporting protocol for delange Supporting protocol for delange Supporting protocol for delange Supporting Profice Supporting Protocol for delange Supporting Profice Supporting S	Supporting protocol for PROFINET CBA		No
Supporting protocol for EherNevIP         No           Supporting protocol for AS-Interface safety at Work         No           Supporting protocol for DeviceNet Safety         No           Supporting protocol for DeviceNet Safety         No           Supporting protocol for PROFISafe         No           Supporting protocol for PROFISAfe         No           Supporting protocol for SafetyBUS p         No           Radio standard Bulletore         No           Radio standard Bulletore         No           Radio standard Bulletore         No           Radio standard BRA         No	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Safety st Work         6         No           Supporting protocol for DeviceNet Safety         6         No           Supporting protocol for PDFBsafe         6         No           Supporting protocol for PDFBsafe         6         No           Supporting protocol for PDFBsafe         6         No           Supporting protocol for SafetyBUS P         No         No           Supporting protocol for Device bus systems         8         No           Radio standard Bluetoch         No         No           Radio standard GBM         No         No           Radio standard GBM         No         No           Radio standard GBM         No         No           System accessory         No         No           Degree of protection (IP)         12         122           System accessory         No         No           Degree of protection (IP)         12         12           With potential superation         No         No           With potential superation (IP)         No         No           Will potential superation (IP)         No         No           Suitable suppose suppose (IP)         No         No           Build suppose suppose (IP) </td <td>Supporting protocol for Foundation Fieldbus</td> <td></td> <td>No</td>	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DiviceNet Safety         No           Supporting protocol for NINTERBUS-Safety         No           Supporting protocol for SafetyBUS P         No           Supporting protocol for SafetyBUS P         No           Radio standard Blustooth         Ps           Radio standard Blustooth         No           Radio standard WLAM 802.11         No           Radio standard BUSA         No           Radio standard SMA         No           Will Down SMA         No           With power supply module         Yes           Swaterial separation         Yes           Read standard SMA         No           Radio standard SMA         Yes           Radio standard SMA         Yes	Supporting protocol for EtherNet/IP		No
Supporting protocol for PRDFBafe         No           Supporting protocol for PRDFBafe         No           Supporting protocol for StelyBUS 9         Yes           Radio standard Bluetoth         No           Radio standard Bluetoth         No           Redio standard MVAN 80211         No           Radio standard GSM         No           Radio standard WMTS         No           Radio standard SMS         No           System coessary         No           With power supply module         No           Remote supple sup	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for SafetyBUS p         6         Non-           Supporting protocol for SafetyBUS p         7         Non-           Supporting protocol for SafetyBUS p         7         Non-           Radio standard Blethorth         8         Non-           Radio standard Blethorth         9         Non-           Radio standard GNR         9         Non-           System accessory         9         Non-           Use peet of protection (PP         9         Palpul-inconnection           With potential separation         9         Non-           With potential separation grouph module         9         Non-           Non-         Non-         Non-           Read stangands separate module         9         Non-           Read stangands possible         9         Non-           Read standard SPARTION         Non-         Non-	Supporting protocol for DeviceNet Safety		No
Supporting protocol for other bus systems         5         No           Radio standard Bletooth         5         No           Radio standard Bletooth         5         No           Radio standard Bletooth         5         No           Radio standard DRNS         5         No           System accessory         6         Pa           System accessory         6         No           Type of electric onnection         7         No           With potential separation         5         No           With potential separation System         7         No           Builded System accessory         5         No           Builded System accessory         5         No           Builded System accessory         5 <t< td=""><td>Supporting protocol for INTERBUS-Safety</td><td></td><td>No</td></t<>	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems                         No.           Radio standard Bluebooth                       No.           Radio standard WLAN 802.11                         No.           Radio standard SSM                         No.           Radio standard GSM                         No.           Radio standard GSM                         No.           Radio standard UMTS                         No.           System accessory                           No.           Degree of protection (IP)                             No.           Yope of electric connection                               No.           With potential separation                                 No.           With potential separation                                     No.           With potential separation                                       No.           With potential separation                                       No.           With potential separation                                       No.           Builde by separation supplied                                     No.           Braining possible                                       No.           Will mounting forier tunouting direat mounting for safety functions	Supporting protocol for PROFIsafe		No
Radio standard Bluetooth         60         No           Radio standard WAN 802.11         70         No           Radio standard GPRS         No         No           Radio standard GMTS         No         No           System accessory         Po2         Ves           Degree of protection (P)         P20         P20           Type of electric connection         No         No           With power supply module         No         No           With power supply module         Yes         No           Suitable as segment module         Yes         No           Remote module         Yes         No           Fieldbus connection over separate bus coupler possible         Yes         No           Rull invonting possible         No         No	Supporting protocol for SafetyBUS p		No
Radio standard WIAN 802.11         No           Radio standard GPRS         No           Radio standard GSM         No           Radio standard UMTS         No           System accessory         Pe2           Degree of protection (IP)         IP20           Type of electric connection         IP20           With potential separation         IP20           With power supply module         IP20           Suitable as segment module         IP20           Remote module         IP20           Filiciblus connection over supplay be supplayed bus coupler possible         IP20           Bus diagnosis possible         IP20           Rail mounting possible         IP20           Rail mounting possible         IP20           Rail mounting firet mounting         IP20           Statisble for safety functions         IP20           Category according to EN 954-1         No           Stitable for safety functions         IP20           Category according to EN 954-1         No           Stitable for safety functions         IP20           Category according to EN 954-1         No           Stitute for safety functions         IP20           Category according to EN 954-1         IP20 <tr< td=""><td>Supporting protocol for other bus systems</td><td></td><td>Yes</td></tr<>	Supporting protocol for other bus systems		Yes
Radio standard GPRS                   No           Radio standard UMTS         No         No           System accessory                   No           Degree of protection (IP)         P20         Pace (Pace)           With potential separation                   Rall plug-in connection           With power supply module                   No           Suitable as segment module                   No           Remote module                   No           Reich diagnosis possible                   No           Rail mounting possible                   No           Rail mounting fulfiert mounting                   No           Suitable for safety functions                   No           Suitable for safety functions                   No           Suitable for safety functions                   No           Statable for safety functions                   No           Statable for safety functions                   No           Statable for safety functions                   No           Statepard excerting to EN 58-1                   No           Statepard excerting to EN 58-1                   No           State porting to EN 58-1                   No	Radio standard Bluetooth		No
Radio standard GSM         No           Radio standard UMTS         No           System accessory         Yes           Degree of protection (IP)         P20           Type of electric connection         P20           With potential separation         P6           With potential separation         P6           With power supply module         P6           Remote module         P6           Remote module         P6           Read in mounting possible         P6           Rad in mounting forest the mounting office	Radio standard WLAN 802.11		No
Radio standard UMTS         No           System accessory         Yes           Degree of protection (IP)         IP20           Type of electric connection         IP20           With potential separation         Yes           With potential separation         Yes           With potential separation         Yes           Suitable as segment module         Yes           Remote module         Yes           Remote module         Yes           Bus diagnosis possible         Yes           Rail mounting possible         Yes           Rail mounting/direct mounting         Yes           Pront build in possible         Yes           Rac-assembly possible         Yes           Suitable for safety functions         Yes           State of safety functions         Yes           State o	Radio standard GPRS		No
System accessory         Yes           Degree of protection (IP)         1P20           Type of electric connection         1P20           With potential separation         No           With potential separation         No           With power supply module         Yes           Suitable as segment module         Yes           Remote module         Yes           Suitable sa segment module         Yes           Reidbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         No           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         No           Rack-assembly possible         No           Suitable for safety functions         Yes           Suitable for safety functions         No           Still according to EC 51508         No           Still according to EC 51508         No           Performance level acc. to EN ISO 13849-1         No           Appendant operation agent (Exib)         No           Explosion safety category for dust         No           Width         No           None         No           None         No <td>Radio standard GSM</td> <td></td> <td>No</td>	Radio standard GSM		No
Degree of protection (IP)         F120           Type of electric connection         F181 plug-in connection           With potential separation         No           With power supply module         Yes           Suitable as segment module         No           Remote module         No           Fieldbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         No           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         No           Suitable for safety functions         Yes           Suitable for safety functions         Yes           Suitable for safety functions         Yes           Still according to IEC 61508         No           Performance level acc. Ex INSO 13849-1         None           Still according to IEC 61508         None           Appendant operation agent (Ex ia)         No           Appendant operation agent (Ex ia)         No           Explosion safety category for dust         None           Width         None           Explosion safety category for dust         None           Width         None </td <td>Radio standard UMTS</td> <td></td> <td>No</td>	Radio standard UMTS		No
Type of electric connection         Flat plug-in connection           With potential separation         No           With potential separation         Yes           With power supply module         Yes           Suitable as segment module         No           Remote module         No           Fieldbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         No           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         No           Rack-assembly possible         No           Suitable for safety functions         No	System accessory		Yes
With potential separation         Mo           With power supply module         Yes           Suitable as segment module         Yes           Remote module         No           Fieldbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         No           Suitable for safety functions         No           Category according to EN 954-1         No           SIL according to EN 954-1         No           SIL according to EN 954-1         None           Explosion safety category (Fr gas)         None           Explosion safety category for gas         None           Explosion safety category for dust         None           Width         None           I	Degree of protection (IP)		IP20
With power supply module         Yes           Suitable as segment module         Yes           Remote module         No           Fieldbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         Yes           Rail mounting possible         Yes           Wall mounting/direct mounting         Yes           Front build in possible         Yes           Rack-assembly possible         Yes           Suitable for safety functions         Yes           Suitable for safety functions         Yes           Staccording to EN 954-1         Yes           SIL according to EN 954-1         Yes           Sultaccording to EN 954-1         Yes           SIL according to EN 954-1         Yes           Sultaccording to	Type of electric connection		
Suitable as segment module         Yes           Remote module         No           Fieldbus connection over separate bus coupler possible         Yes           Bus diagnosis possible         No           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 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           Explosion safety category for gas         No           Explosion safety category for dust         No           Width         None           <	Type of electric connection		Flat plug-in connection
Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible Bus diagnosis possible Rail mounting possible Rail mounting fürect mounting Front build in possible Rack-assembly possible Rack-assembly possible Ruthafe for safety functions Cutaglory according to EN 954-1 SIL according to IEC 61508 Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant ope			
Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  Rail mounting possible  Wall 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  No  No  No  No  No  No  No  No  No  N	With potential separation		No
Bus diagnosis possible  Rail mounting possible  Wall 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  No  No  No  None	With potential separation With power supply module		No Yes
Rail mounting possible  Wall 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  Wes  Yes  Yes  No  No  No  No  No  No  No  No  No  N	With potential separation With power supply module Suitable as segment module		No Yes Yes
Wall 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 None 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 Wash Mo None  Yes No	With potential separation With power supply module Suitable as segment module Remote module		No Yes Yes No
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  No  No  None  No	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible		No Yes Yes No Yes
Rack-assembly possible Suitable for safety functions 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 No No None None Width Mm 71.5 Height	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible		No Yes Yes No Yes No
Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 None Performance level acc. to EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Anoe Explosion safety category for dust Width Amm 71.5 Height Anoe	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible Rail mounting possible		No Yes Yes No Yes No Yes
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  Mone  Width  Mone  T1.5  Height  None	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible Rail mounting possible Wall mounting/direct mounting		No Yes Yes No Yes No Yes No Yes
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  Mone  Width  Mone  T1.5  Height  None	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible Rail mounting possible Wall mounting/direct mounting Front build in possible		No Yes Yes No Yes No Yes No Yes No
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  Mmm  71.5  Height  None	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible		No Yes Yes No Yes No Yes No Yes No No Yes
Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Avoid to the state of	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Suitable for safety functions		No Yes Yes No Yes No Yes No Yes No No Yes
Appendant operation agent (Ex ib)  Explosion safety category for gas  Explosion safety category for dust  Width  Mmm  71.5  Height  No  None	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  Rail mounting possible  Wall mounting/direct mounting  Front build in possible  Rack-assembly possible  Suitable for safety functions  Category according to EN 954-1		No Yes Yes No Yes No Yes No Yes No No No
Explosion safety category for gas  Explosion safety category for dust  Width  Mmm  71.5  Height  None  None  90	With potential separation With power supply module Suitable as segment module Remote module Fieldbus connection over separate bus coupler possible Bus diagnosis possible 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		No Yes Yes No Yes No Yes No No Yes Yes No No No No
Explosion safety category for dust Width Mm 71.5 Height Mone	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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		No Yes Yes No Yes No Yes No No No No No No No No No
Width mm 71.5 Height 90	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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)		No         Yes         No         Yes         No         Yes         Yes         No         No         No         No         No         None         None         No
Height 90	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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)		No         Yes         No         Yes         No         Yes         Yes         No         No         No         None         None         No         No         No         No         No         No         No         No
	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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		No         Yes         No         Yes         No         Yes         Yes         No         No         No         None         No         None
Depth mm 45	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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	mm	No         Yes         No         Yes         No         Yes         Yes         No         No         No         None         No         No         No         No         No         No         No         None         None         None
	With potential separation  With power supply module  Suitable as segment module  Remote module  Fieldbus connection over separate bus coupler possible  Bus diagnosis possible  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		No         Yes         No         Yes         No         Yes         No         No         No         None         No         No         No         No         No         None         None         71.5

# **Dimensions**



# **Additional product information (links)**

Additional product information (links)				
IL050001ZU MCC SWD4-FFR-PF1-1, SWD4-FFR-ST1-1				
IL050001ZU MCC SWD4-FFR-PF1-1, SWD4-FFR ST1-1	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL050001ZU2012_12.pdf			
SmartWire-DT manual, The System MN050060	102Z			
SmartWire-DT manual, The System MN05006002Z - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf			
SmartWire-DT manual, The System MN05006002Z - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf			
SmartWire-DT manual, The System MN05006002Z - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf			
amp;startpage=Title;Product Range Catalog SmartWire-DT	http://ecat.moeller.net/flip-cat/?edition=SWCAT&			
Technical data	http://ecat.moeller.net/flip-cat/?edition=SWCAT&startpage=32			
SWD-ASSIST	http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99			