



## Powerfeed 2

**Part no.** EU5C-SWD-PF2-1

**Article no.** 116380



Powering Business Worldwide™

### Delivery programme

Product range			SmartWire-DT accessories
Function			for the supply of other SmartWire-DT slaves For additional control voltage feeder for the motor starter and contactors For the formation of emergency switching off groups for motor starters and contactors
Connection to SmartWire-DT			yes
<b>Information relevant for export to North America</b>			
UL File No. E29184			
UL CCN NKCR			
CSA File No. 2324643			
CSA Class No. 3211-07			
NA Certification UL listed, CSA certified			

### Approvals

UL File No.	E29184
UL CCN	NKCR
CSA File No.	2324643
CSA Class No.	3211-07
NA Certification	UL listed, CSA certified
Specially designed for NA	No

### General

Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	35 x 90 x 124
Weight		kg	0.17
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Mounting position			As required

### Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations (IEC/EN 61131-2:2008)			
Constant amplitude 3,5 mm		Hz	5 - 8.4
Constant acceleration 1 g		Hz	8.4 - 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	9
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3

### Electromagnetic compatibility (EMC)

Overvoltage category			II
Pollution degree			2
Electrostatic discharge (IEC/EN 61131-2:2008)			
Air discharge (Level 3)		kV	8
Contact discharge (Level 2)		kV	4
Electromagnetic fields (IEC/EN 61131-2:2008)			
80 - 1000 MHz		V/m	10
1.4 - 2 GHz		V/m	3
2 - 2.7 GHz		V/m	1
Radio interference suppression (SmartWire-DT)			EN 55011 Class A
Burst (IEC/EN 61131-2:2008, Level 3)			
Supply cables		kV	2
SmartWire-DT cables		kV	1

Surge (IEC/EN 61131-2:2008, Level 1)			
Supply cables/CAN/DP bus cable			Supply cables 0.5 kV, CAN/DP bus cable 1 kV
Radiated RFI (IEC/EN 61131-2:2008, Level 3)		V	10

### Climatic environmental conditions

Operating ambient temperature (IEC 60068-2)		°C	- 25 - + 55
Condensation			Take appropriate measures to prevent condensation
Storage		°C	- 40 - 70
relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5 - 95

### Supply voltage $U_{Aux}$

Rated operational voltage		V	24 V DC (-15/+20%)
Residual ripple on the input voltage		%	$\leq 5$
Protection against polarity reversal			Yes
Max. current	$I_{max}$	A	3
Short-circuit rating			no, external fuse FAZ Z3
Power loss		W	Normally 1
Potential isolation			No
Rated operating voltage of 24-V-DC slaves		V	typ. $U_{Aux} - 0.2$

### Supply voltage $U_{Pow}$

Supply voltage		V	24 DC -15 % + 20 %
Input voltage ripple		%	$\leq 5$
Siemens MPI, (optional)			yes
Rated current	I	A	0.7
Overload proof			yes
Inrush current and duration		A	12.5 A/6 ms
Heat dissipation at 24 V DC		W	3.8
Potential isolation between $U_{Pow}$ and 15 V SmartWire-DT supply voltage			Yes
Bridging voltage dips		ms	10
Repetition rate		s	1
Status indication		LED	yes

### SmartWire-DT supply voltage

Rated operating voltage	$U_e$	V	$14,5 \pm 3 \%$
max. current	$I_{max}$	A	0.7
Short-circuit rating			Yes

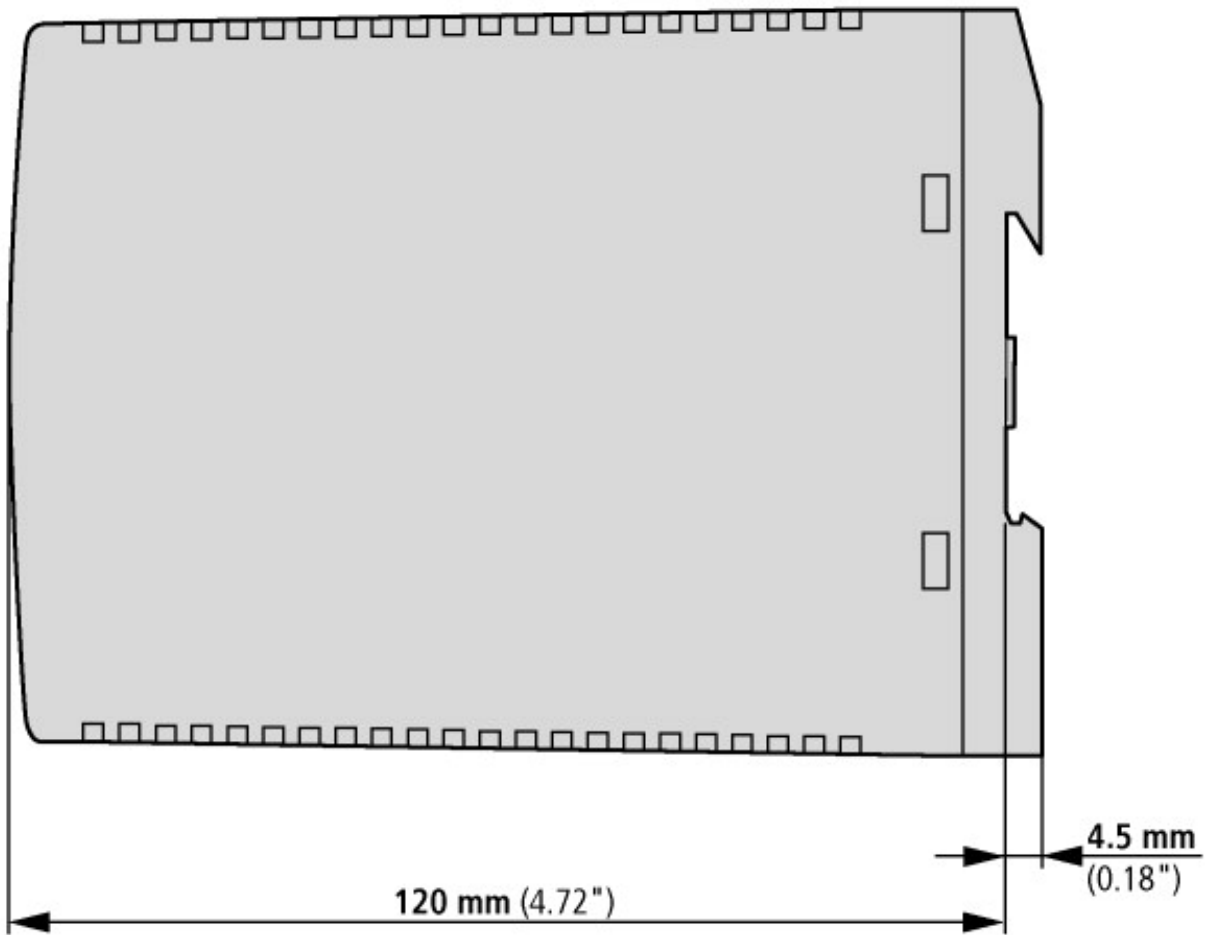
### Connection supply voltages

Connection type			Push in terminals
Solid		mm <sup>2</sup>	0.2 - 1.5
Flexible with ferrule		mm <sup>2</sup>	0.25 - 1.5
UL/CSA solid or stranded		AWG	24 - 16

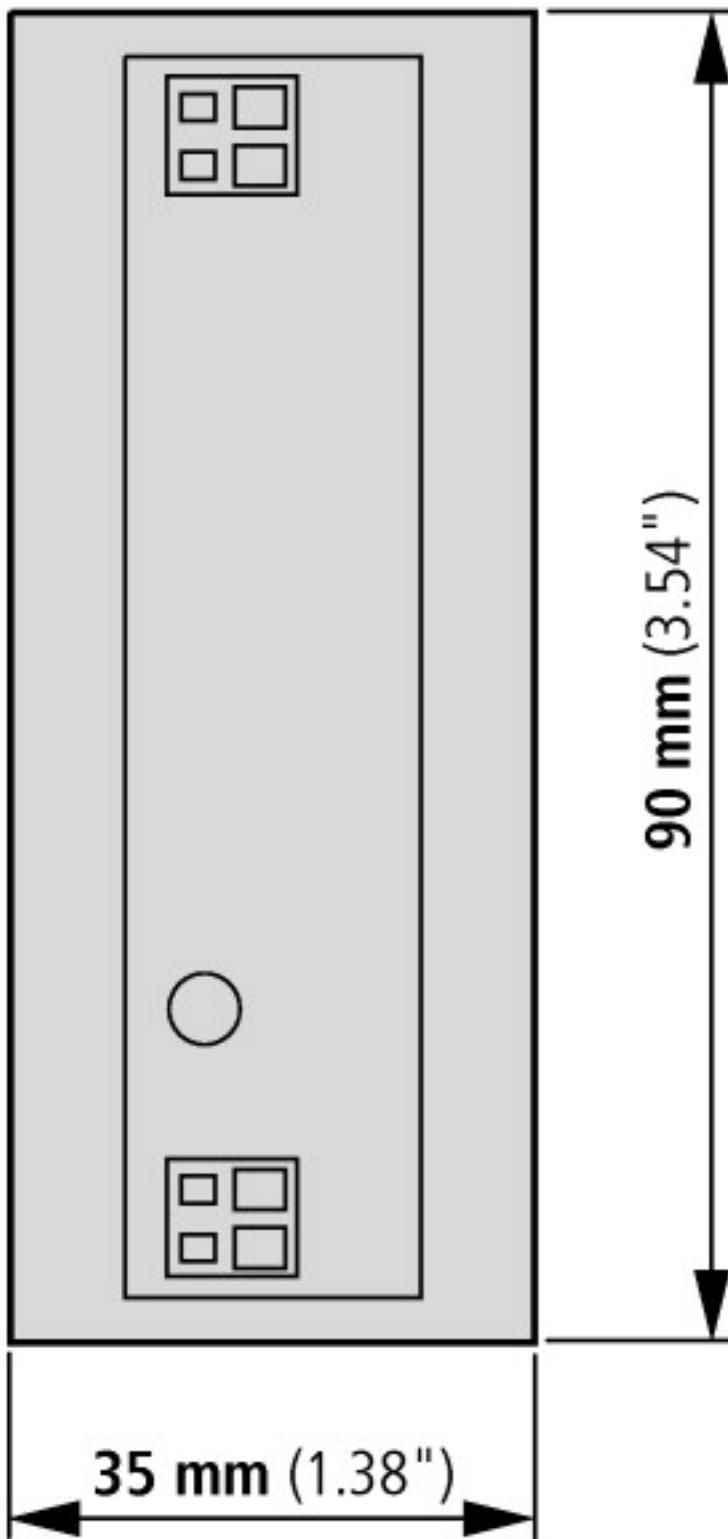
### SmartWire-DT network

Connections			2 x plug, 8-pole
Plug connectors			2 blade terminals SWD4-8MF2

## Dimensions



Power feeder module



#### Additional product information (links)

**IL05006001Z (AWA2723-2478) SmartWire-DT: Modules: PROFIBUS-DP, CANopen, Powerfeed, Modbus**

IL05006001Z (AWA2723-2478)  
SmartWire-DT: Modules: PROFIBUS-  
DP, CANopen, Powerfeed, Modbus

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05006001Z2011\\_07.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05006001Z2011_07.pdf)

**MN05006002Z-EN (AWB2723-1617) SmartWire-DT, The System**

MN05006002Z-DE (AWB2723-1617)  
SmartWire-DT, Das System - Deutsch

[ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf)

MN05006002Z-EN (AWB2723-1617)  
SmartWire-DT, The System - English

[ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf)

MN05006002Z-IT (AWB2723-1617)  
SmartWire-Darwin, Il sistema - italiano

[ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05006002Z\\_IT.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf)