

Digital module, 4 inputs, 2 outputs

Part no. EU5E-SWD-4D2R

Article no. 116383

Delivery programme

Product range			SmartWire-DT slave
Accessories			Digital modules
Function			For connection of digital I/O signals
Inputs			
Digital			4
Outputs			
Relay			2
Connection to SmartWire-DT			yes

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

Part no.			EU5E-SWD-4D2R
General			
Standards			IEC/EN 61131-2 EN 50178
Dimensions (W x H x D)		mm	35 x 90 x 101
Weight		kg	0.1
Mounting			Top-hat rail IEC/EN 60715, 35 mm
Mounting position			As required
Ambient conditions, mechanical			
Protection type (IEC/EN 60529)			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
Signal lines		kV	1
SmartWire-DT cables		kV	1
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

SmartWire-DT network

Station type			SmartWire-DT slave
Address allocation			automatic
SmartWire-DT status LED		LED	Green
Connection			Plug, 8-pole Connection plug: external device plug SWD4-8SF2-5
Current consumption		mA	45

Connection supply and I/O

Connection type			Push in terminals
Solid		mm^2	0.2 - 1.5 (AWG 24 - 16)
Flexible with ferrule		mm^2	0.25 - 1.5 (AWG 24 - 16)

Digital inputs

Number			4
Input current		mA	typ. 4 at 24 V DC
Voltage level to IEC/EN 61131-2			
Limit value type 1			Low < 5 V DC; High > 15 V DC
Input delay			High Low typ. < 0.2 ms Low High typ. < 0.2 ms
Status display		LED	yellow

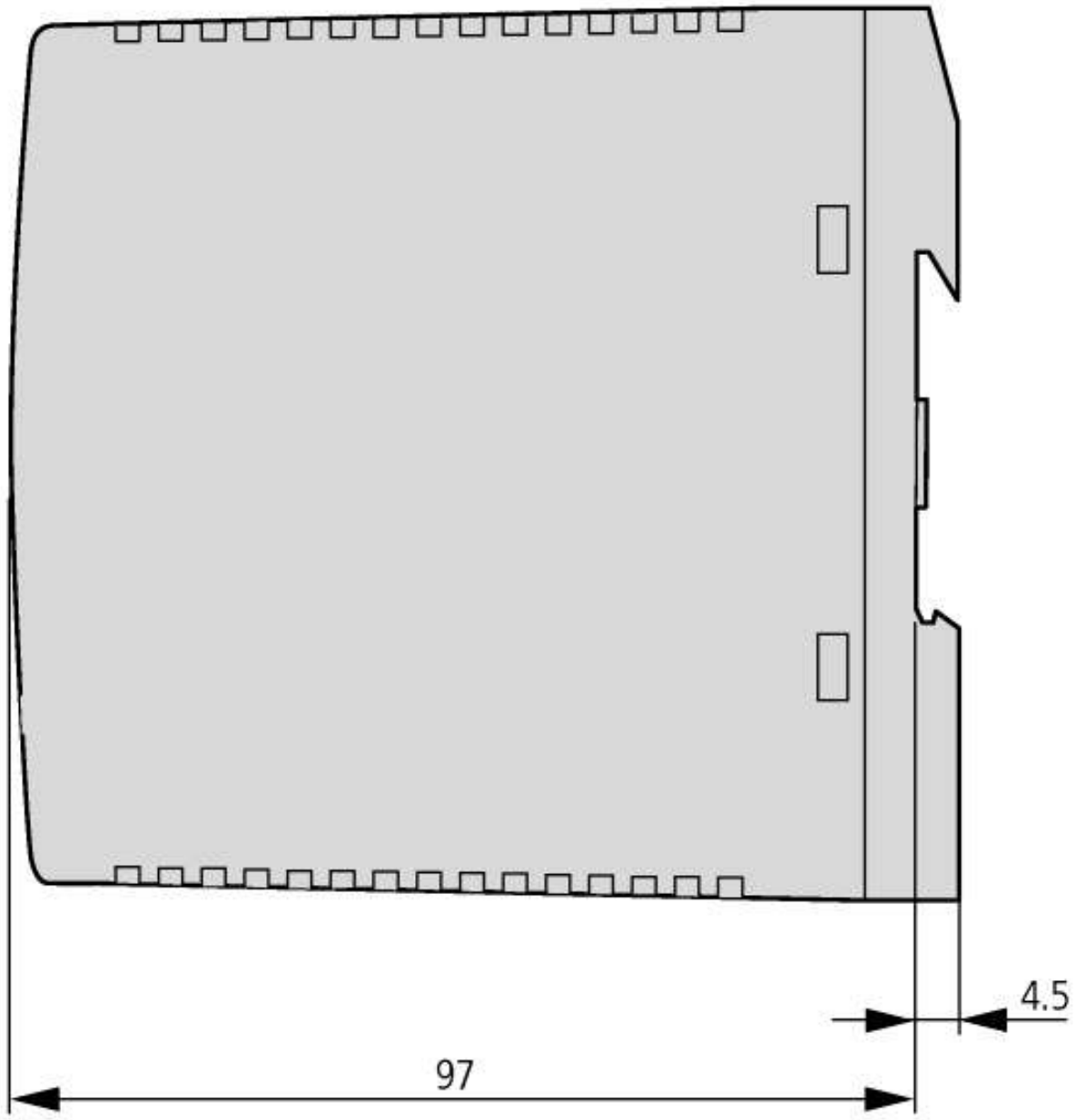
Relay outputs

Number			2
Contact type art			N/O contact
Operations			
Utilization category AC-1, 250 V, 6 A			> 6×10^4
Utilization category AC-15, 250 V, 3 A			> 5×10^4
Utilization category DC-13, 24 V, 1 A			> 2×10^5
Safe isolation according to EN 50178		V AC	230
Minimum load current		mA	100 mA , 12 V DC
Pick-up/drop-out time		ms	5/2.5
Bounce duration		ms	Normally 1.5
Short-circuit protection			external 4 A gL/gG
Status display		LED	yellow

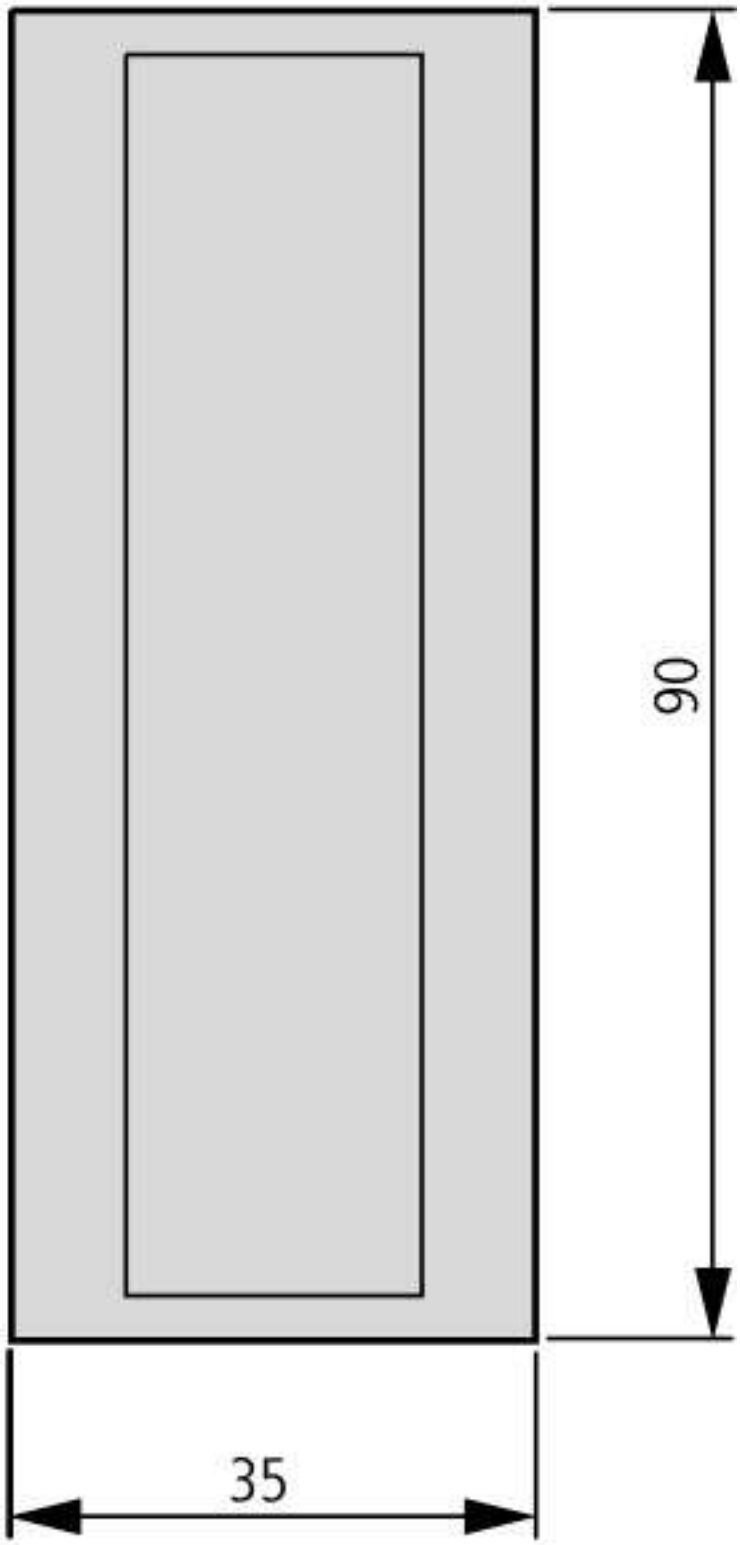
Potential isolation

Inputs for SmartWire-DT			Yes
Output to output			Yes
Notes			Minimum length 8 mm.

Dimensions



SWD I/O modules



Additional product information (links)

IL05006002Z (AWA2723-2479) SmartWire-DT: I/O modules	
IL05006002Z (AWA2723-2479) SmartWire-DT: I/O modules	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05006002Z2010_11.pdf
MN05006001Z-EN(AWB2723-1613) SmartWire-DT, Unit	
MN05006001Z-DE (AWB2723-1613) SWD-Teilnehmer - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_DE.pdf
MN05006001Z-EN(AWB2723-1613) SmartWire-DT, Unit - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_EN.pdf
MN05006001Z-IT (AWB2723-1613) SmartWire-Darwin utenti - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_IT.pdf

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