



Function element, contactor, manu/auto



Powering Business Worldwide™

Part no.

DIL-SWD-32-002

Article no.

118561

## Delivery programme

Product range			SmartWire-DT slave
Accessories			SWD contactor modules
Function			zur Anbindung der Leistungsschütze an SmartWire-DT
Description			Per contactor 1 module necessary.
Messages			Contactor switching position, status of the digital inputs 1 and 2, 1-0-A switch position
Commands			Contactor actuation
Connection to SmartWire-DT			yes
For use with			DILM(C)7... - DILM(C)32 DILM38 DILA MSC-D(E)-...(24VDC)
Setting			Rotary switch
<b>Notes</b>			
For current consumption of the contactor coils > 3 A (UL: 2 A) use additional power feed module.			
A2 connections must not be bridged.			
Wiring sets DILM 12-XRL and PKZM0-XRM12 cannot be used.			
Connection terminals for electrical interlocking are not suitable for safety technology.			

## Approbationen

UL approval	Yes
CSA approval	Yes
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

<b>Part no.</b>			DIL-SWD-32-002
<b>General</b>			
Standards			IEC/EN 61131-2 EN 50178 IEC/EN 60947
Dimensions (W x H x D)		mm	45 x 38 x 76
Weight		kg	0.04
Mounting			on DILM7...DILM38
Mounting position			as DILM7 to DILM38
<b>Ambient conditions, mechanical</b>			
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
<b>Electromagnetic compatibility (EMC)</b>			
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)			
CAN/DP bus cable		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 - + 60
Condensation			Take appropriate measures to prevent condensation
Storage		°C	- 30 - 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/orange
Connections			Plug, 8-pole
Plug connectors			External device plug SWD4-8SF2-5
Current consumption		mA	40
Pick-up power			
for DILM 7-9		W	3
for DILM 12-15		W	4.5
for DILM 17-38		W	12
Pick-up current			
for DILM 7-9		mA	125
for DILM 12-15		mA	188
for DILM 17-38		mA	500
Holding power			
for DILM 7-9		W	3
for DILM 12-15		W	4.5
for DILM 17-38		W	0.5
Holding current			
for DILM 17-38		mA	21
for DILM 12-15		mA	188
for DILM 7-9		mA	125

### Mode parameter

Manual/automatic mode			yes
Setting			Rotary switch

### Connection auxiliary contact

Number			2
Rated voltage	$U_e$	V DC	15
Input current at 1 signal, typical		mA	3
Potential isolation			No
Cable length		m	 2.8
Connection type			Push in terminals

### Terminal capacities

Solid		mm <sup>2</sup>	0.2 - 1.5 (AWG 24 - 16)
Flexible with ferrule		mm <sup>2</sup>	0.25 - 1.5
<b>Notes</b>			own supply Minimum length 8 mm.

### Technische Daten nach ETIM 4.0

Radiostandard Bluetooth			No
Short-circuit protective device, outputs available			No
Type of voltage (input voltage)			DC

Flush mounting plates possible		No
Height	mm	38
Performance level acc. to EN ISO 13849-1		-
Number of HW-interfaces other		1
Number of outputs		1
Supporting protocol for PROFIsafe		No
Supply voltage DC	V	15
Supply voltage AC 60 Hz	V	0
Supporting protocol for EtherNet/IP		No
IO link master		No
Number of HW-interfaces USB		0
Supporting protocol for TCP/IP		No
With optical interface		No
Wall mounting/direct mounting		No
Number of HW-interfaces serial TTY		0
Appendant apparatus (Ex ib)		No
Supporting protocol for other bus systems		YES
Supporting protocol for DeviceNet Safety		No
Protection type (IP)		IP20
Supporting protocol for PROFINET IO		No
Supporting protocol for Data-Highway		No
Voltage type of supply voltage		DC
Supporting protocol for CAN		No
Type of electric connection		Spring clamp connection
Category to EN 954-1		1
Number of inputs		2
Permitted voltage at input	V	15
Number of HW-interfaces RS232		0
Rack-mounting possible		No
Input current at signal 1	mA	3
Width	mm	45
System component		YES
Explosion safety category for dust		without
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for SUCONET		No
Supporting protocol for DeviceNet		No
Supporting protocol for SafetyBUS p		No
Fieldbus connection over separate bus terminal possible		YES
Depth	mm	81
SIL according to IEC 62061		0
Supporting protocol for EIB		No
SIL according to IEC 61508		0
Output current	A	0.5
Type of digital output		-
Radiostandard WLAN 802.11		No
Associated apparatus (Ex ia)		No
Delay time on signal change	ms	84
Number of HW-interfaces Wireless		0
Supporting protocol for MODBUS		No
Supporting protocol for SERCOS		No
Safety class according to DIN V 19250		0
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for LON		No
Supporting protocol for INTERBUS		No
Type of output voltage		DC

Supporting protocol for PROFIBUS			No
Number of Industrial Ethernet HW interfaces			0
Number of HW-interfaces PROFINET			0
Permitted voltage at output		V	28.8
Supporting protocol for AS-Interface Safety at Work			No
Number of HW-interfaces RS485			0
Explosion protection for gas			without
Supporting protocol for AS-Interface			No
Supporting protocol for PROFINET CBA			No
Supply voltage AC 50 Hz		V	0
Number of HW-interfaces parallel			0
Rail mounting possible			No
Number of HW-interfaces RS422			0
In-/outputs configurable			No
Suitable for safety functions			No

## Dimensions

SmartWire-DT protective modules
DIL-SWD-32-...

## Additional product information (links)

<b>IL03402036Z (AWA1210+1251-2494) SmartWire-DT: Function element for DILM/MSC</b>	
IL03402036Z (AWA1210+1251-2494) SmartWire-DT: Function element for DILM/MSC	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.pdf</a>
<b>IL03402036Z (AWA1210-2494) SmartWire-DT: Function element for DILM/MSC</b>	
IL03402036Z (AWA1210-2494) SmartWire-DT: Function element for DILM/MSC	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.pdf</a>
<b>MN05006001Z-EN(AWB2723-1613) SmartWire-DT, Unit</b>	
MN05006001Z-DE (AWB2723-1613) SWD-Teilnehmer - Deutsch	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_DE.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_DE.pdf</a>
MN05006001Z-EN(AWB2723-1613) SmartWire-DT, Unit - English	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_EN.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_EN.pdf</a>
MN05006001Z-IT (AWB2723-1613) SmartWire-Darwin utenti - italiano	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_IT.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_IT.pdf</a>