



## Function element, DIL/MSC



Powering Business Worldwide™

Part no.

DIL-SWD-32-001

Article no.

118560

### 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			Switch status Contactor, status of the digital inputs 1 and 2
Commands			Contactor actuation
Connection to SmartWire-DT			yes
For use with			DILM(C)7... - DILM(C)32 DILM38 DILA MSC-D(E)-...(24VDC)
<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-32-001
<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
<b>Climatic environmental conditions</b>			
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			No
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### 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.

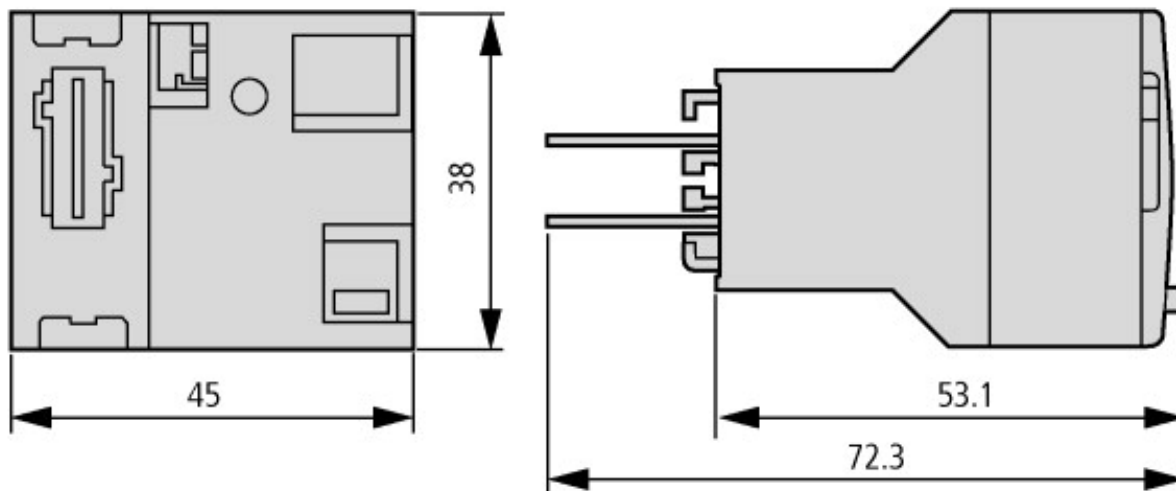
### Technische Daten nach ETIM 4.0

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)

### IL03402036Z (AWA1210+1251-2494) SmartWire-DT: Function element for DILM/MSC

IL03402036Z (AWA1210+1251-2494)  
SmartWire-DT: Function element for  
DILM/MSC

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03402036Z2010\\_08.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.pdf)

### IL03402036Z (AWA1210-2494) SmartWire-DT: Function element for DILM/MSC

IL03402036Z (AWA1210-2494)  
SmartWire-DT: Function element for  
DILM/MSC

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03402036Z2010\\_08.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402036Z2010_08.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](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](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](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006001Z_IT.pdf)