

Type: **SWIRE-DIL**

Article No.: **107028**

Sales text **SmartWire module for DILM**



Ordering information		
Description		SmartWire module for DILM
Description		<p>SmartWire module to assemble on the contactors DILM7...DILM32.</p> <ul style="list-style-type: none"> <li>- One module is necessary per contactor.</li> <li>- Connection to SmartWire-Gateway as Slave.</li> <li>- Max. 16 SmartWire modules per chain.</li> <li>- 1 digital input for potential-free contact.</li> <li>- Signalling contactor switch position.</li> </ul>

### Notes concerning the product group

Available from December 2006

### Note concerning the product

- Take account of the max. current consumption of the contactor coils per SmartWire chain.
- Length of connection cable at the input and the electrical interlock < 2.8 m.
- A2 terminal of the contactor must not be bridged.
- Electrical interlocking only possible via the terminals on the module for DILM.
- Wiring kits DILM 12-XRL and PKZM0-XRM12 cannot be used.
- Connection terminals for electrical interlocking are not suitable for safety technology.

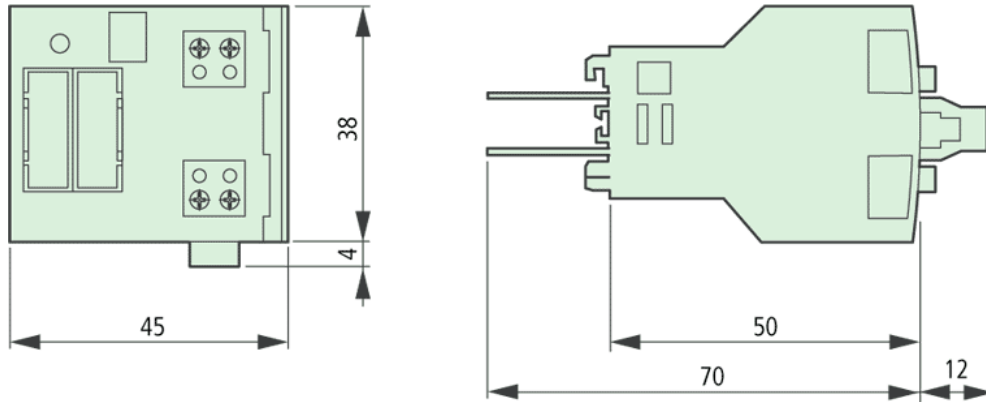
General		
Standards		

General			IEC/EN 60947 EN 55011 EN 55022 IEC/EN 61000-4 IEC/EN 60068-2-27
Mounting			on DILM7...DILM32
Dimensions (W × H × D)		mm	45 x 44 x 81
Weight		kg	0,036
<b>Terminal capacities</b>			
Solid		mm <sup>2</sup>	0.34...1.5
Flexible with ferrule		mm <sup>2</sup>	0.34...1.5
Solid or stranded		AWG	22...16
Standard screwdriver		mm	3.5 x 0.8
Max. tightening torque		Nm	0,5
<b>Climatic environmental conditions</b>			
Ambient temperature			
Operation		°C	... 25...+60
Storage		°C	... 25...+70
Condensation			Prevent condensation with suitable measures
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5...95
Air pressure (operation)		hPa	795...1080
<b>Ambient conditions, mechanical</b>			
Degree of protection IEC/EN 60529			IP20
Pollution degree			2
Mounting position			as DILM7...DILM32
<b>Electromagnetic compatibility (EMC)</b>			
Electrostatic discharge (IEC/EN 61000-4-2, Level 3, ESD)			
Air discharge		kV	8
Contact discharge		kV	4
Electromagnetic fields (IEC/EN 61000-4-3, RFI)	V/m		10
Radio interference suppression EN 55011, EN 55022			Class A
Burst pulses (IEC/EN 61000-4-4, level 3)			
Supply cables		kV	2
Signal lines		kV	2
High-energy pulses (surge) (IEC/EN		kV	0.5 (supply cables,

61000–4–5, level 2)			symmetrical)
Immunity to line–conducted interference to (IEC/EN 61000–4–6)		V	10
<b>Insulation resistance</b>			
Clearance in air and creepage distances			EN 50178, EN 60947–1, UL 508, CSA C22.2 No 142
Insulation resistance			EN 50178, EN 60947–1
<b>Voltage supply, Gateway electronic and SmartWire station electronics <math>U_{\text{Gateway}}</math></b>			
Admissible range			Supply from gateway
Heat dissipation at 24 V DC		W	typically 0.6
<b>Power supply <math>U_{\text{AUX}}</math> (power supply for switching SmartWire elements e.g. contactor coils)</b>			
Rated operational voltage $U_{\text{Aux}}$		V DC	Supply from Gateway or Power module
Admissible range		V DC	Supply from Gateway or Power module
<b>LEDs</b>			
Ready for operation			Ready: green
Status SmartWire			over Ready
<b>Connection potential–free contacts</b>			
Number			1
Rated voltage (own supply)	$U_e$	V DC	17
Input current at “1” signal, typically		mA	5
Potential isolation			No
max. conductor length		m	< 2.8
<b>PROFIBUS DP</b>			
Potential isolation			
for supply voltage $U_{\text{AUX}}$			No
<b>SmartWire module for DILM</b>			
Connection types			Plug, 6–pole
Data/power cable			6 core flat–band cable
maximum cable length System SmartWire		m	4
Bus termination			Connector plug
Station address			1...16
Station			max. 16 per SmartWire chain
Address allocation			Automatic via SmartWire
Potential isolation			
for supply voltage $U_{\text{AUX}}$			No
for supply voltage $U_{\text{Gateway}}$			No

Function			SmartWire–Slave
Data transfer time System SmartWire			
Write switch			typically 20 ms for all stations
Read status information			typically 10 ms per station

### Dimensions



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