



Function element for connecting interface to SmartWire-DT



**Part no.** PKE-SWD-CP  
**Catalog No.** 172735  
**Alternate Catalog No.** PKE-SWD-CP  
**EL-Nummer (Norway)** 4560851

**Delivery program**

Product range			SmartWire-DT slave
Subrange			SmartWire-DT PKE module for system protection circuit-breakers
Basic function			System protection
Product range			Accessories
Accessories			SmartWire-DT PKE module (circuit-breakers)
Function			for connecting the PKE circuit-breaker with PKE-XTU(W)ACP-... trip blocks to SmartWire-DT
Description			For attachment to PKE circuit-breakers
Messages			Contacteur state PKE All phase currents in % Thermal load as a % Trip indications (Overload, Short-circuit,...) Set value of overload releases Set short-circuit release value Part no. of trip block
Commands			Remote circuit-breaker de-energization
For use with			PKE32 PKE65
Connection to SmartWire-DT			yes
<p><b>Instructions</b> For motor-starter combinations, please use the following connectors:                      PKZM0-XDM15ME (for motor-starter combinations with DILM7...15 to 7.5 kW (400 V, 50 Hz)                      PKZM0-XDM32ME (for motor-starter combinations with DILM17...38 to 18.5 kW (400 V, 50 Hz)</p>			

**Technical data**

**General**

Standards			IEC/EN 61131-2
Dimensions (W x H x D)		mm	45 x 46.8 x 70.3
Weight		kg	0.04
Mounting			at PKE32/65
Mounting position			as PKE32/65

**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			EN 55011 Class A
Burst (IEC/EN 61131-2:2008, Level 3)			

SmartWire-DT cables			
Signal lines		kV	1
CAN/DP-bus cable			
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	
Ambient temperature		°C	-25 - +60
Condensation			Take appropriate measures to prevent condensation
Storage	9	°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
Status SmartWire-DT		LED	Green
Connections			Plug, 8-pole
Connection			External device plug SWD4-8SF2-5
Current consumption		mW	
15-V-SWD supply		mA	35

### Design verification as per IEC/EN 61439

Technical data for design verification			
Static heat dissipation, non-current-dependent	P <sub>Vs</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			
			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			
			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			
			Meets the product standard's requirements.
10.2.5 Lifting			
			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			
			Meets the product standard's requirements.
10.2.7 Inscriptions			
			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			
			Meets the product standard's requirements.
10.4 Clearances and creepage distances			
			Meets the product standard's requirements.
10.5 Protection against electric shock			
			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			
			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			
			Is the panel builder's responsibility.
10.8 Connections for external conductors			
			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			
			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			
			Is the panel builder's responsibility.
10.10 Temperature rise			
			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			
			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			
			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			
			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

### Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for low-voltage switch technology (EC002498)

Type of accessory

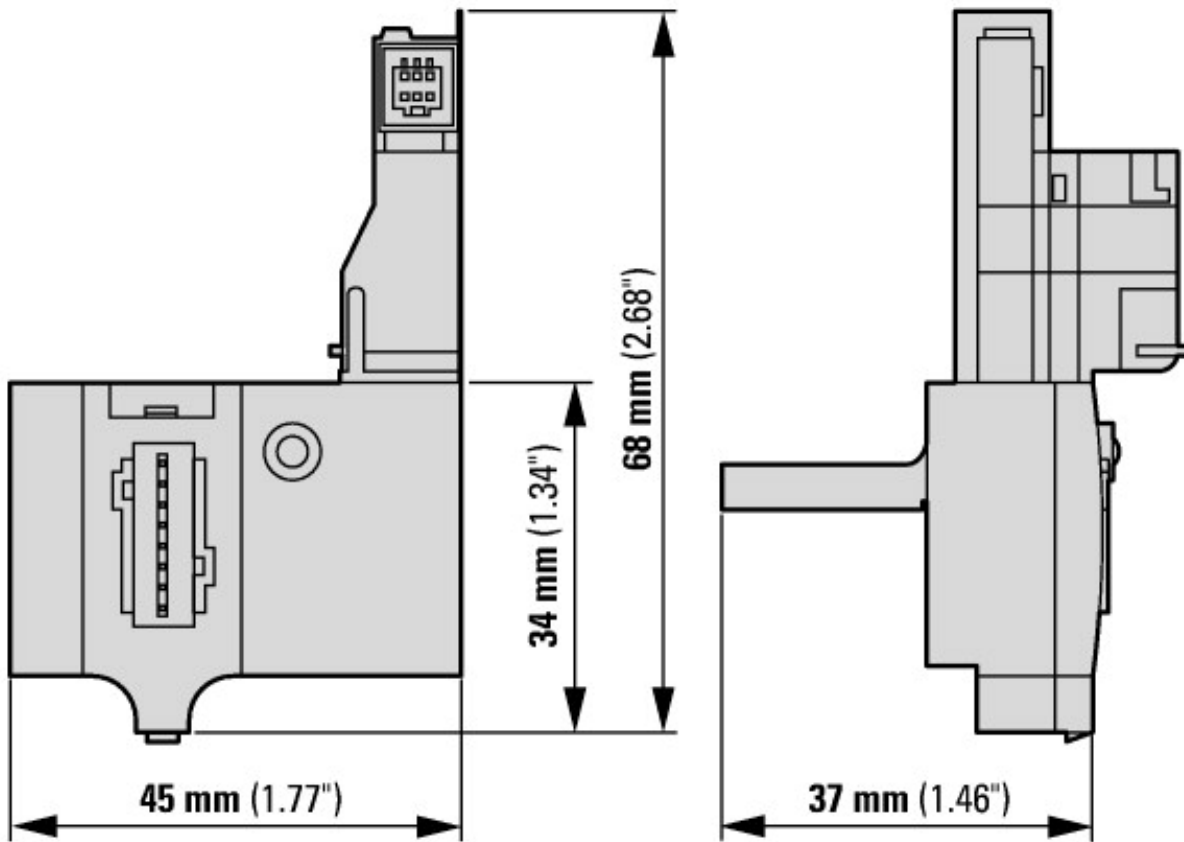
Communication and measuring function

## Approvals

Specially designed for North America

No

## Dimensions



SmartWire-DT PKE module (circuit-breakers)

## Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	<a href="http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf">http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf</a>
Busbar Component Adapters for modern Industrial control panels	<a href="http://www.moeller.net/binary/ver_techpapers/ver960en.pdf">http://www.moeller.net/binary/ver_techpapers/ver960en.pdf</a>
f1=1457&f2=1181&f3=1530;Download Wizard SWD-ASSIST	<a href="http://applications.eaton.eu/sdlc?LX=11&amp;amp">http://applications.eaton.eu/sdlc?LX=11&amp;amp</a>