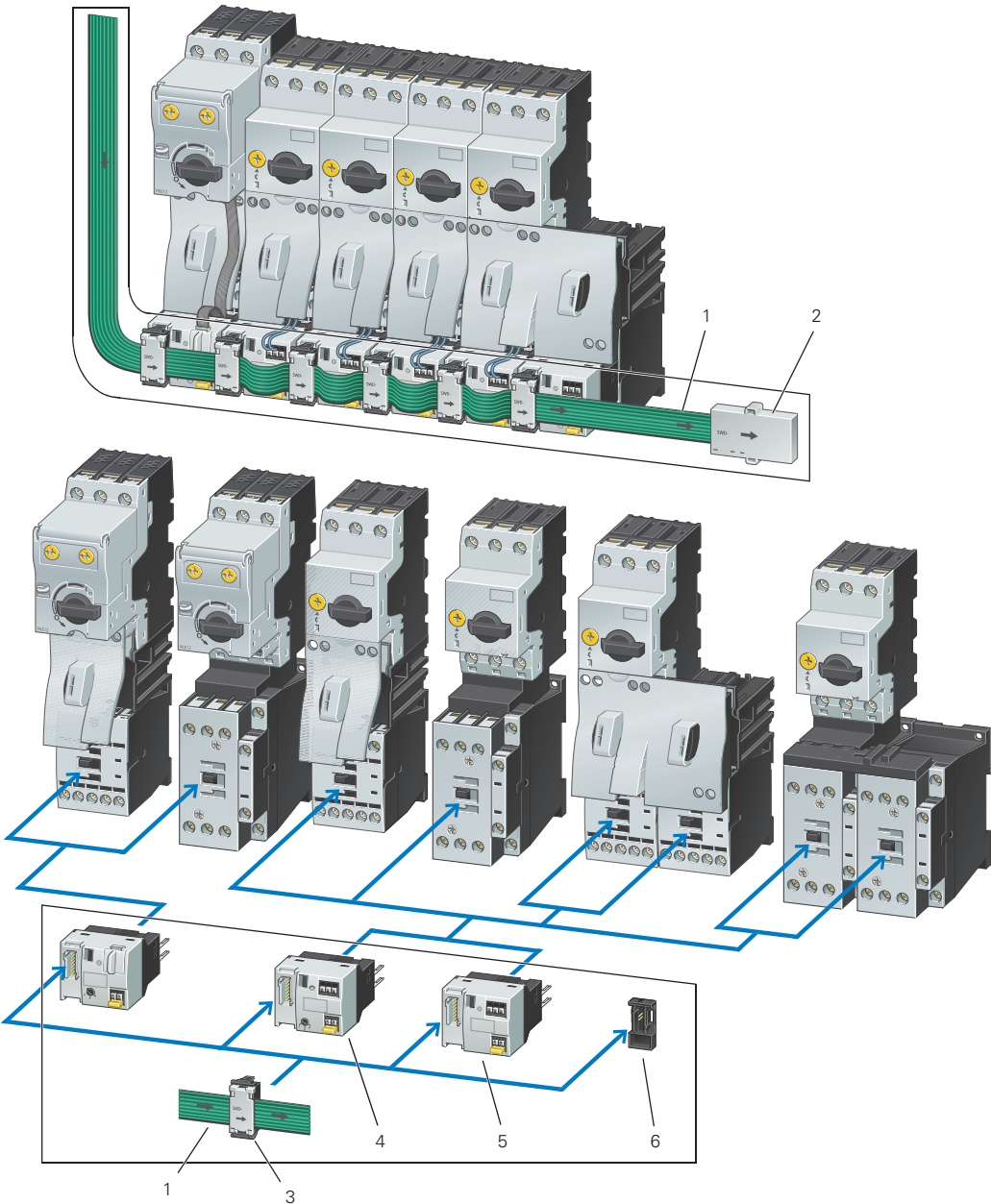


Product Identification

SmartWire-DT Contactor Modules



Item Number	Description
1	Flat cable
2	Terminating resistor (SWD4-RC8-10)
3	Device plug (SWD4-85F2-5)
4	Modules for XT contactors with XTPR manual motor protectors, with 1-0-A switch (DIL-SWD-32-002)
5	Modules for XT contactors with XTPR manual motor protectors (DIL-SWD-32-001)
6	Device plug jumper (SWD4-SEL8-10)

Contactor Modules**Contactor Modules****Contactor Modules** ①②③

SmartWire-DT module for attachment to XTCE007–XTCE032 contactors and XTRE control relays. One module is required per contactor.

Description	Pkg. Qty.	Catalog Number
Two digital inputs for voltage-free contacts. One electrical interlock for the surface mounting of reversing combinations. Messages: Switch status contactor, status of the digital inputs 1 and 2. Commands: Contactor actuation.	5	DIL-SWD-32-001
Two digital inputs for voltage-free contacts. One electrical interlock for the surface mounting of reversing combinations. 1-0-A switch for manual or automatic operation. Messages: Contactor switching position, status of the digital inputs 1 and 2, 1-0-A switch position. Commands: Contactor actuation.	5	DIL-SWD-32-002

PKE Contactor Module**PKE Contactor Module**

SmartWire-DT module for connection of XTPE manual motor controllers. One module is required per contactor and XTPE manual motor protector.

Description	Pkg. Qty.	Catalog Number
Connecting cable between module and XTPE trip block included as standard. One electrical interlock for the surface mounting of reversing starters. 1-0-A switch for manual or automatic operation. Selectable overload relay function for connecting the contactor on overload. Messages: Switch position contactor/PKE/1-0-A switch Motor current in % Thermal motor image in % Trip-indicating auxiliary contact (Overload, Short-circuit,...) Set value of overload releases Set value Verification time (CLASS), Part no. Trip block. Commands: Contactor actuation, activation of overload relay function (ZMR)	4	PKE-SWD-32

Design Note

The number of motor starters or XTCE contactors that can be connected is dependent upon the power consumption of the contactor coils. To increase the number of SmartWire-DT modules that can be connected, Powerfeed modules can be used. The SWD-Assist configuration program (download from www.eaton.com/smartwiredt) will automatically check and insert Powerfeed modules as needed based on the number of contactors used and the utilization factors selected.

24 Vdc		XTCE007	XTCE009	XTCE012	XTCE015	XTCE018	XTCE025	XTCE032
Pick-up power	W	3	3	4.5	4.5	12	12	12
Sealing power	W	3	3	4.5	4.5	0.5	0.5	0.5

Reversing Contactors**Reversing Contactor****Reversing Contactors**

When using the tool-less reversing link kits on Frame B contactors, a different reversing bridge is required without the A2 coil bridge.

Description	Pkg. Qty.	Catalog Number
Reversing bridge for Frame B contactors on SmartWire-DT	20	XTCEXRBB-0A2

Notes

- ① Take account of the maximum current consumption of the contactor coils per SmartWire-DT line.
- ② A2 connections must not be linked.
- ③ Connection terminals for electrical interlocking are not suitable for safety technology.

Contactor Modules

Description	Unit	DIL-SWD-32-001	DIL-SWD-32-002	PKE-SWD-32
General				
Standards		IEC/EN 61131-2 EN 50178 IEC/EN 60947	IEC/EN 61131-2 EN 50178 IEC/EN 60947	IEC/EN 61131-2 EN 50178 IEC/EN 60947
Dimensions (W x H x D)	in (mm)	1.77 x 1.50 x 3.0 (45 x 38 x 76)	1.77 x 1.50 x 3.0 (45 x 38 x 76)	1.77 x 1.50 x 3.0 (45 x 38 x 76)
Weight	lbs (kg)	0.9 (0.04)	0.9 (0.04)	0.9 (0.04)
Mounting		on XTCE007–XTCE032	on XTCE007–XTCE032	—
Mounting position		as XTCE007–XTCE032	as XTCE007–XTCE032	—
Ambient Conditions, Mechanical				
Degree of protection (IEC/EN 60529)		IP20	IP20	—
Vibrations (IEC/EN 61131-2:2008)				
Constant amplitude 3.5 mm	Hz	5–8.4	5–8.4	5–8.4
Constant acceleration 1 g	Hz	8.4–150	8.4–150	8.4–150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms	Impacts	9	9	9
Drop to IEC/EN 60068-2-31 (drop height)	in (mm)	1.97 (50)	1.97 (50)	1.97 (50)
Free fall, packaged (IEC/EN 60068-2-32)	ft (m)	1.0 (0.3)	1.0 (0.3)	1.0 (0.3)
Electromagnetic Compatibility (EMC)				
Overvoltage category		II	II	II
Pollution degree		2	2	2
Electrostatic discharge (IEC/EN 61131-2:2008)				
Air discharge (Level 3)	kV	8	8	8
Contact discharge (Level 2)	kV	4	4	4
Electromagnetic fields (IEC/EN 61131-2:2008)				
80–1000 MHz	V/m	10	10	10
1.4–2 GHz	V/m	3	3	3
2–2.7 GHz	V/m	1	1	1
Radio interference suppression (SmartWire-DT)		EN 55011 Class A	EN 55011 Class A	EN 55011 Class A
Burst (IEC/EN 61131-2:2008, Level 3)				
CAN/DP bus cable	kV	1	1	1
SmartWire-DT cables	kV	1	1	1
Radiated RFI (IEC/EN 61131-2:2008, Level 3)	V	10	10	10
Climatic Environmental Conditions				
Operating ambient temperature (IEC 60068-2)	°F (°C)	–13° to 140° (–25° to 60°)	–13° to 140° (–25° to 60°)	–13° to 140° (–25° to 60°)
Condensation		Prevent with suitable measures	Prevent with suitable measures	Prevent with suitable measures
Storage	°F (°C)	–22° to 158° (–30° to 70°)	–22° to 158° (–30° to 70°)	–22° to 158° (–30° to 70°)
Relative humidity, noncondensing (IEC/EN 60068-2-30)	%	5–95	5–95	5–95

Contactor Modules, continued

Description	Unit	DIL-SWD-32-001	DIL-SWD-32-002	PKE-SWD-32
SmartWire-DT Network				
Station type		SmartWire-DT station (mode)	SmartWire-DT station (mode)	SmartWire-DT (slave)
Address allocation		Automatic	Automatic	Automatic
SmartWire-DT status LED		Green/orange	Green/orange	Green/orange
Connections				
Plug		8-pole	8-pole	8-pole
Plug connectors		External device plug SWD4-8SF2-5	External device plug SWD4-8SF2-5	External device plug SWD4-8SF2-5
Current consumption (15 V SWD supply)		40 mA	40 mA	58 mA
Mode Parameter				
Manual/automatic mode		No	Yes	Yes
Setting		—	Rotary switch	Rotary switch
Connection Auxiliary Contact				
Number		2	2	—
Rated voltage (U_B) ^①	Vdc	15	15	—
Input current at 1 signal, typical	mA	3	3	—
Potential isolation		No	No	—
Cable length	ft (m)	≤9.2 (2.8)	≤9.2 (2.8)	≤9.2 (2.8)
Connection type		Push in terminals	Push in terminals	Push in terminals
Terminal Capacities				
Solid	mm ²	0.2–1.5 (AWG 24–16)	0.2–1.5 (AWG 24–16)	0.2–1.5 (AWG 24–16)
Flexible with ferrule ^②	mm ²	0.25–1.5	0.25–1.5	0.25–1.5

Notes

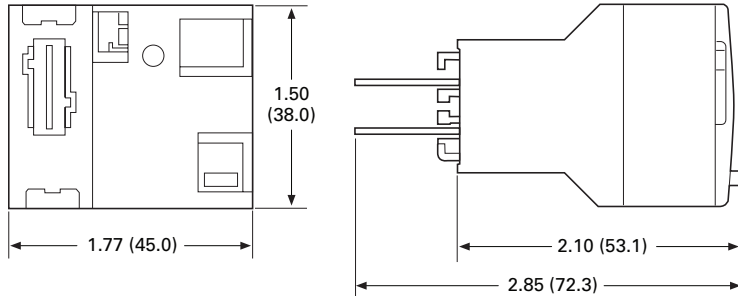
① Own supply.

② Minimum length: 8 mm.

Approximate Dimensions in Inches (mm)

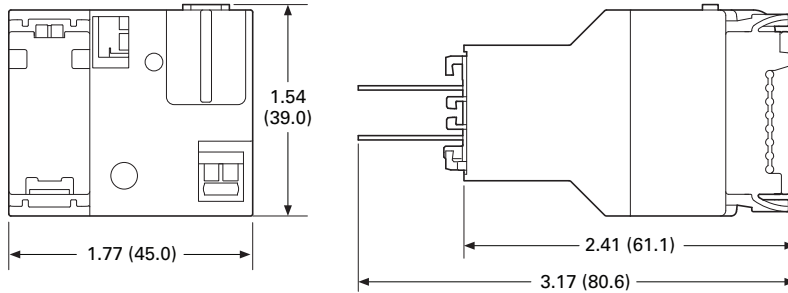
Contactor Modules

DIL-SWD-32-001 and DIL-SWD-32-002



SmartWire-DT PKE Modules

PKE-SWD-32



Pilot Device Modules

M22-SWD-K_, M22-SWD-LED_

