
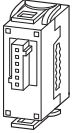



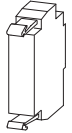
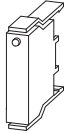


System Connectivity Components

System connectivity components for the SmartWire-DT system includes cables, connectors, jumpers, bushings, plugs, sockets, flat to round cable adapters, and crimping tools.

In-Cabinet Components

	Description	Length	Pkg. Qty.	Catalog Number
Flat Cable 	Flat Cable, 8 AWG 24, 600 V			
	For SmartWire-DT network inside the control panel	328.1 ft (100 m)	1	SWD4-100LF8-24
	Complete with flat plugs SWD4-8MF2 installed at both ends	9.8 ft (3 m)	1	SWD4-3LF8-24-2S
		16.4 ft (5 m)	1	SWD4-5LF8-24-2S
		32.8 ft (10 m)	1	SWD4-10LF8-24-2S
Device Plug 	Device Plugs			
	For connection to SmartWire-DT modules or nodes	—	10	SWD4-8SF2-5
Flat Plug 	Flat Plugs			
	For connection to SmartWire-DT system components: gateways, powerfeed modules, coupling and terminating resistor	—	10	SWD4-8MF2
Device Plug Jumper 	Device Plug Jumpers			
	For bridging open, spare or inverted device plugs	—	5	SWD4-SEL8-10
PCB Jumper 	Control Station PCB Jumpers			
	For bridging open mounting locations on the control station printed circuit board	—	5	M22-SWD-SEL8-10
Universal Modules   <i>Front Mount</i> <i>Base Mount</i>	Universal (Placeholder) Modules			
	Front mount	—	20	M22-SWD-NOP
	Base mount	—	20	M22-SWD-NOPC

Accessories

Description	Unit	SWD4-RC8-10 Resistor	SWD4-8SF2-5 Plug	SWD4-8SFF2-5 Coupling	SWD4-SF8-20 Bushing
General					
Standards		IEC/EN 61131-2; EN 50178	IEC/EN 61131-2; EN 50178	IEC/EN 61131-2; EN 50178	IEC/EN 61131-2; EN 50178
Dimensions (W x H x D)	in (mm)	1.91 x 1.36 x 0.34 (48.5 x 34.5 x 10)	0.59 x 1.44 x 0.69 (15 x 36.5 x 17.5)	1.91 x 1.36 x 0.34 (48.5 x 34.5 x 10)	0.94 x 1.02 x 6.34 (24 x 26 x 162)
Weight	lbs (g)	0.022 (10)	0.012.1 (5.5)	0.010 (4.5)	0.044 (20)
Mounting position		As required	As required	As required	As required
Ambient Conditions, Mechanical					
Degree of protection (IEC/EN 60529)		IP20	IP20	IP20	IP67
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)	—	—	—
Free fall, packaged (IEC/EN 60068-2-32)	ft (m)	1.0 (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 (SmartWire-DT)		EN 55011 Class A	—	—	—
Burst (IEC/EN 61131-2:2008, Level 3)					
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)	°F (°C)	–13° to 131° (–25° to 55°)	–13° to 131° (–25° to 55°)	–13° to 131° (–25° to 55°)	–13° to 131° (–25° to 55°)
Condensation		Prevent with suitable measures			
Storage	°F (°C)	–40° to 158° (–40° to 70°)	–40° to 158° (–40° to 70°)	–40° to 158° (–40° to 70°)	–40° to 158° (–40° to 70°)
Relative humidity, noncondensing (IEC/EN 60068-2-30)	%	5–95	5–95	5–95	5–95
Connection Options					
SWD-In		Plug, 8-pole	Plug connector	Plug, 8-pole	—
Number of insertion cycles		≥200	1	>200	—
SWD-Out		—	Socket, 8-pole	Plug, 8-pole	Socket, 8-pole
Number of insertion cycles		—	≥200	≥200	≥500
Current consumption (15 V SWD supply)		See Page V7-T9-61	See Page V7-T9-61	See Page V7-T9-61	See Page V7-T9-61