

**Safety Manager
Hardware Reference**

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TSDO-0824

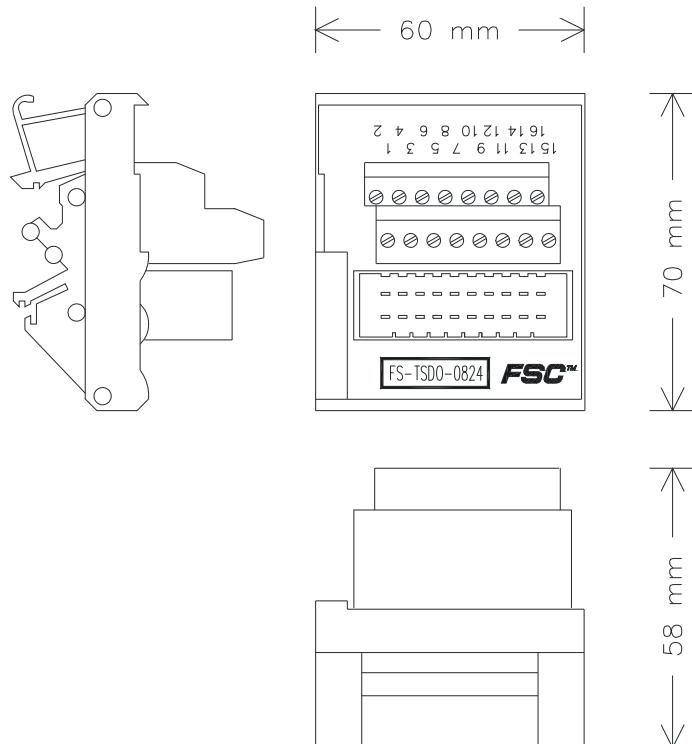
Safe digital output FTA (24 Vdc, 8 channels)

Description

Field termination assembly module TSDO-0824 is the interface between system interconnection cable SICC-0001/Lx and the external field wiring (screw terminals). The eight channels of a (redundant pair of) SDO-0824 module(s) can be connected to the TSDO-0824 module via the system interconnection cable SICC-0001/Lx.

The FTA module has a universal snap-in provision for standard DIN EN rails, and screw terminals for connecting field wiring.

Figure 345 Mechanical layout



Applications

For details on applications and connection options for the TSDO-0824 module, see section “SICC-0001/Lx” on page 715.

Connections

The connections diagram of the TSDO-0824 module:

Figure 346 Connections diagram

CONNECTIONS DIAGRAM FS-TSDO-0824		
SIC connector		Field terminals
Pin number	Signal	Signal
A10	nc	
B10	nc	
A9	OUT1+	OUT1+ 1
B9	OUT1-	OUT1- (0 Volt) 2
A8	OUT2+	OUT2+ 3
B8	OUT2-	OUT2- (0 Volt) 4
A7	OUT3+	OUT3+ 5
B7	OUT3-	OUT3- (0 Volt) 6
A6	OUT4+	OUT4+ 7
B6	OUT4-	OUT4- (0 Volt) 8
A5	OUT5+	OUT5+ 9
B5	OUT5-	OUT5- (0 Volt) 10
A4	OUT6+	OUT6+ 11
B4	OUT6-	OUT6- (0 Volt) 12
A3	OUT7+	OUT7+ 13
B3	OUT7-	OUT7- (0 Volt) 14
A2	OUT8+	OUT8+ 15
B2	OUT8-	OUT8- (0 Volt) 16
A1	nc	
B1	nc	

Technical data

The TSDO-0824 module has the following specifications:

General	Type numbers ¹ :	FS-TSDO-0824
		FC-TSDO-0824
	Approvals:	CE, TUV, UL, CSA, FM
Power	Number of channels:	8
	Maximum voltage:	36 Vdc – IEC 1010 (1990), overvoltage category 3 (Table D.12)
	Maximum continuous current per channel:	1.5 A
	Actual maximum current defined by connected output module	
Physical	Module dimensions:	60 × 70 × 58 mm (L × W × H) 2.36 × 2.76 × 2.28 in (L × W × H)
	DIN EN rails:	TS32 / TS35 × 7.5
	Used rail length:	61 mm (2.40 in)
Termination	Screw terminals:	
	• Max. wire diameter	2.5 mm ² (AWG 14)
	• Strip length	7 mm (0.28 in)
	• Tightening torque	0.5 Nm (0.37 ft-lb)

1 FS-type modules are non conformal coated modules.

FC-type modules are conformal coated modules. Conformal coated modules have the letters "CC" preceding the version number.