



## FS-TSDO-0824 Fail-safe digital output FTA (24 Vdc, 8 channels)

### Description

The field termination assembly module FS-TSDO-0824 is the interface between the system interconnection cable SIC-C-12 and the external field wiring (screw terminals).

The eight channels of a (redundant pair of ) 10201/2/1 module(s) can be connected to the FS-TSDO-0824 module via the system interconnection cable SIC-C-12.

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

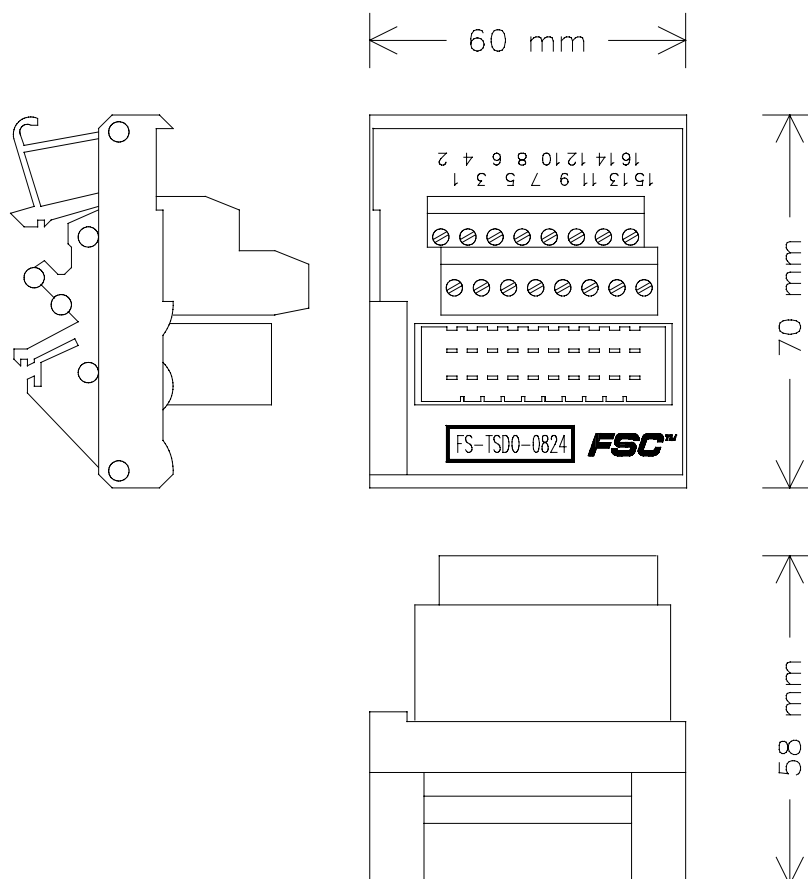


Figure 1 Mechanical layout

For details on applications and connection options for the FS-TSDO-0824 module refer to the 'SIC to FTA applications' data sheet.

The connections diagram of the FS-TSDO-0824 module is as follows:

| CONNECTIONS DIAGRAM FS-TSDO-0824 |        |                 |                 |
|----------------------------------|--------|-----------------|-----------------|
| SIC connector                    |        | Field terminals |                 |
| Pin number                       | Signal | Signal          | Terminal number |
| 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 FS-TSDO-0824 module has the following specifications:

|                    |                                                           |                                                                  |
|--------------------|-----------------------------------------------------------|------------------------------------------------------------------|
| <b>General</b>     | Type number:                                              | FS-TSDO-0824                                                     |
|                    | Approvals:                                                | CE, UL approvals pending                                         |
| <b>Power</b>       | 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 |                                                                  |
| <b>Physical</b>    | Module dimensions:                                        | 60 x 70 x 58 mm (L x W x H)<br>2.36 x 2.76 x 2.28 in (L x W x H) |
|                    | DIN EN rails:                                             | TS32 / TS35 x 7.5                                                |
|                    | Used rail length:                                         | 61 mm (2.40 in)                                                  |
| <b>Termination</b> | Screw terminals:                                          |                                                                  |
|                    | – max. wire diameter                                      | 2.5 mm <sup>2</sup> (AWG 14)                                     |
|                    | – strip length                                            | 7 mm (0.28 in)                                                   |
|                    | – tightening torque                                       | 0.5 Nm (0.37 ft-lb)                                              |

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