

TP-FM02-03

CHARM™ I/O Baseplate adapter with 2 x BLT12 connectors

Description :

The **TP-FM02-03** adapter panel is used to connect a FIRELEC interface to the Emerson **CHARM™** I/O baseplate (DeltaV™ S-series) using two BLT12 connectors.

The **TP-FM02-03** is screwed directly on the **CHARM™** I/O baseplate.

The connection to the FIRELEC interface is done using two shielded cables, with a BLT12 pin female connector at one end, and labeled flying wires or a suitable connector matching with the FIRELEC interface at the other end.

Product options :

Option **-1** : **TP-FM02-03-1**, Standard version

Option **VSH** : Conformal coating (Tropicalization)

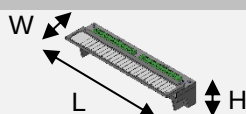
Technical Specifications :

Dimensions :

Length : 187 mm

Width : 43 mm (54 mm with ID label)

Height : 45 mm



Weight :

150 g (170 g with ID label)

Humidity :

Up to 90% (no condensation)

Temperature range :

Operating : -10°C to 70°C

Storage : -10°C to 70°C

Mounting on the CHARM I/O baseplate :

Secured by 30 screws of the **CHARM™** I/O Baseplate

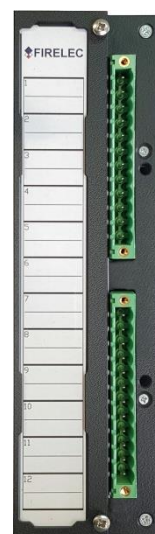
(Screw 1 & 2 for each of the 12 channels and screw 3 & 4 of ch06, ch12 and address module)

Connection with the FIRELEC interface :

2 x BLT12 pin male connectors

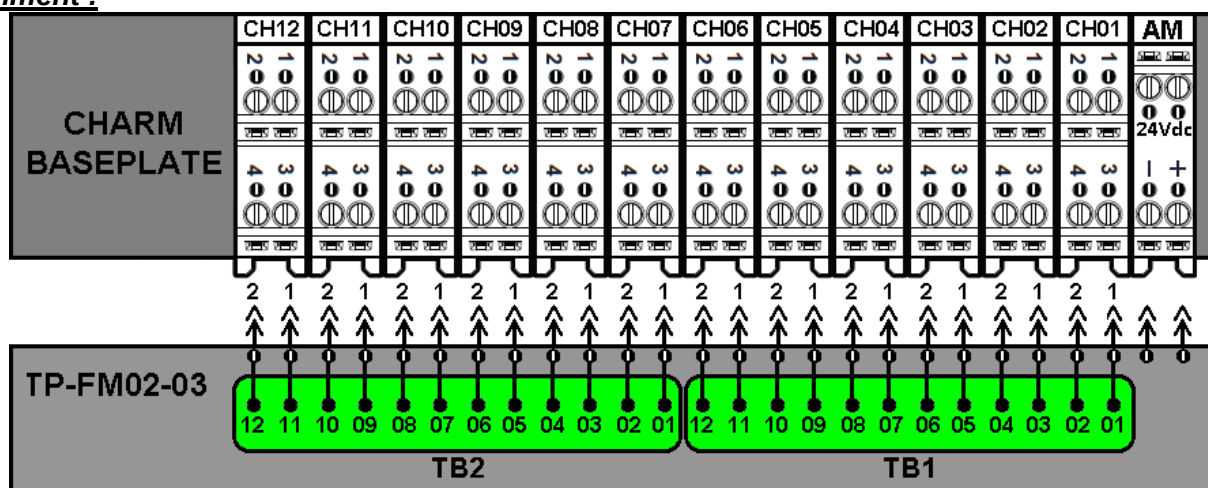


TP-FM02-03-1



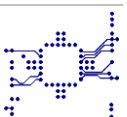
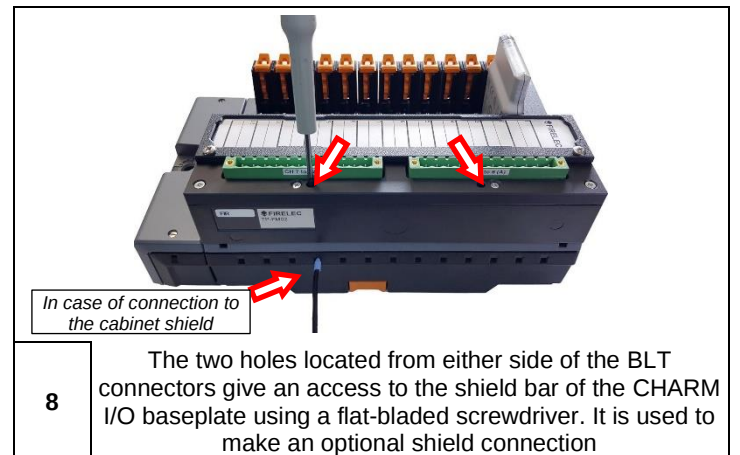
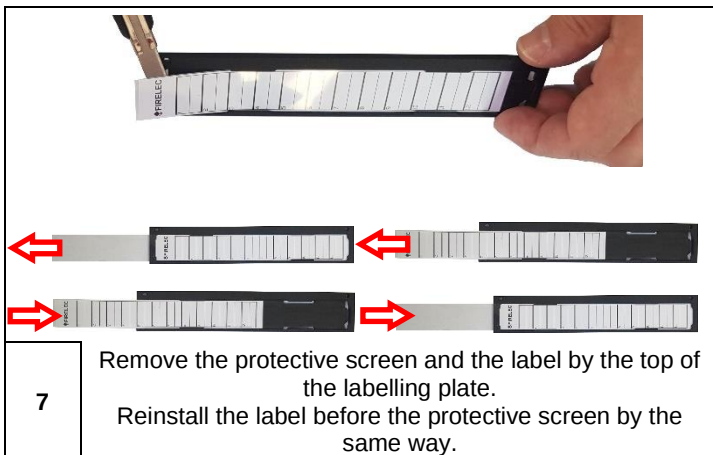
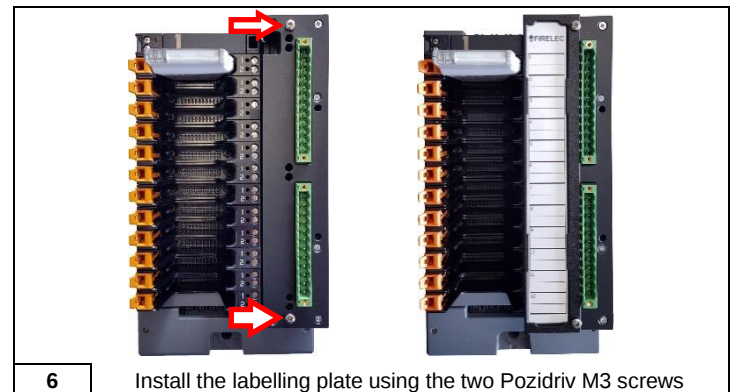
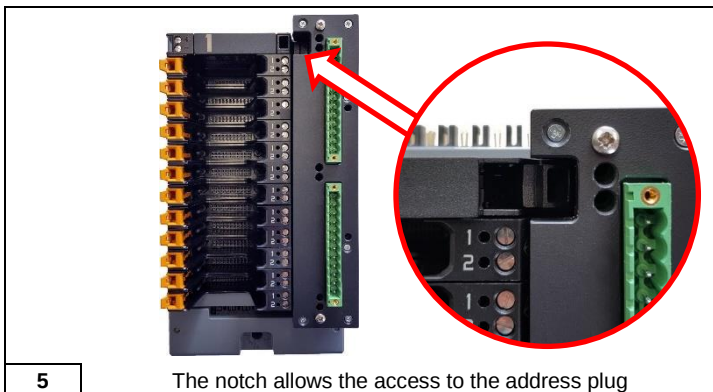
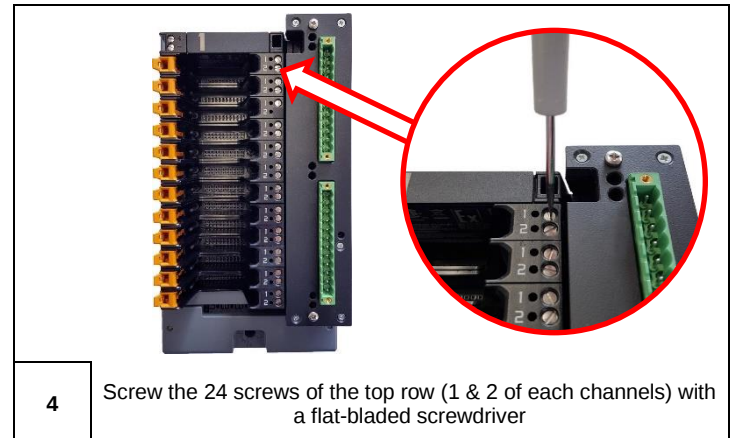
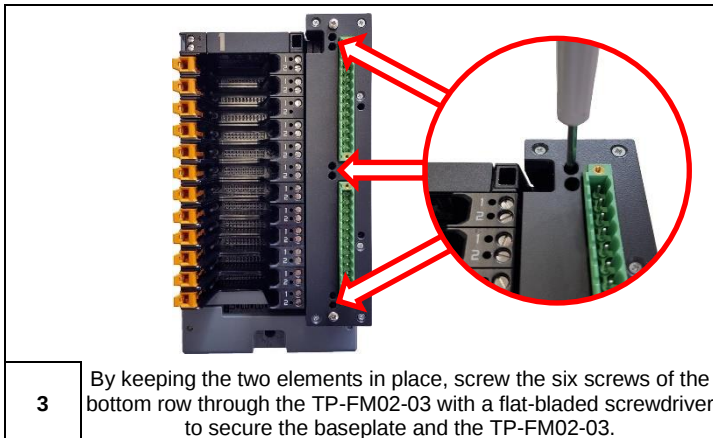
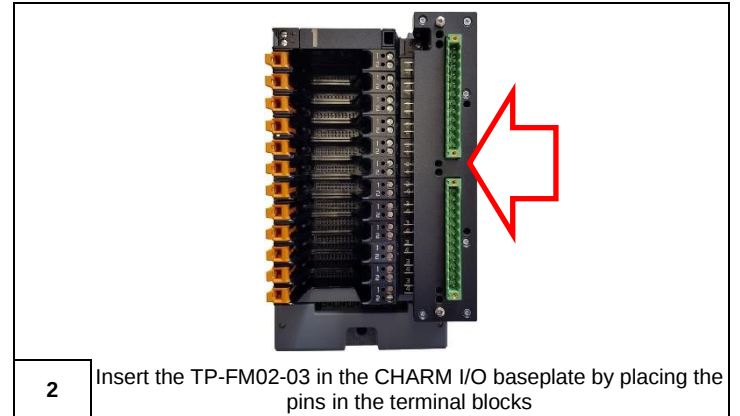
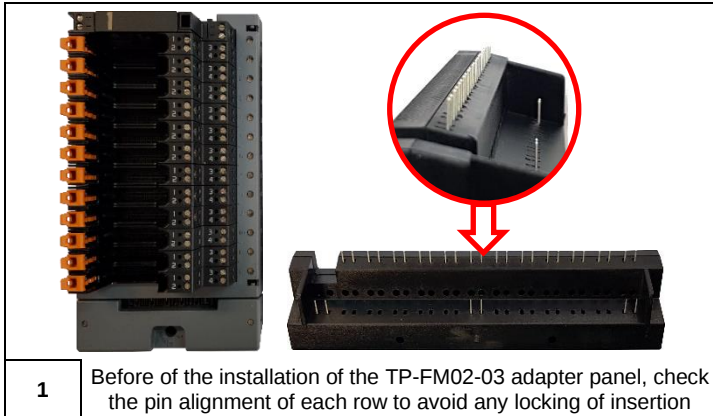
TP-FM02-03-1 + LB-11696-1

Pin Assignment :

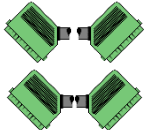
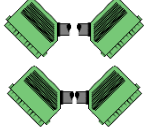
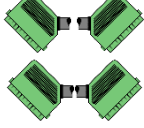
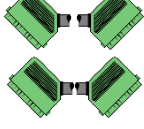
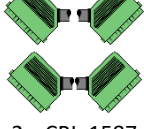
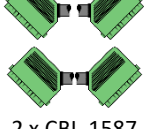
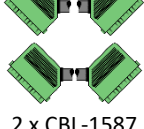
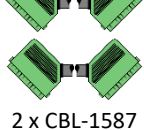


	CH12	CH11	CH10	CH09	CH08	CH07	CH06	CH05	CH04	CH03	CH02	CH01	AM
	TB2 (second BLT12 for channels 07 to 12)						TB1 (first BLT12 for channels 01 to 06)						
CHARM™	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	4 3 2 1	- +
BLT pin	NC NC 12 11	NC NC 10 09	NC NC 08 07	NC NC 06 05	NC NC 04 03	NC NC 02 01	NC NC 12 11	NC NC 10 09	NC NC 08 07	NC NC 06 05	NC NC 04 03	NC NC 02 01	NC NC





Compatibility :

CODE	Signal	Signal description	CHARM TB	CHARM module	TP-FM02	Interfacing cable	FIRELEC FTA Reference
CM-AI03	AI	4-20mA (2W)	SE4501	SE4303T01	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-RTD04	RTD	(2W)	SE4501	SE4303T03	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-AO04	AO	4-20mA	SE4501	SE4304T01	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-DI07	DI	Dry contact	SE4501	SE4301T02	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-DI08	DI	NAMUR	SE4501	SE4301T01	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-DI09	DI	24Vdc Isolated with external PS	SE4501	SE4301T07	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-DO04	DO	100mA - 24Vdc <u>Current limitation :</u> 107mA (SE4302T04) or 200mA (SE4302T01)	SE4501	SE4302T01 or SE4302T04	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242
CM-DO07	DO	1A - 24Vdc - Isolated	SE4501	SE4302T02	 TP-FM02-03-1	 2 x CBL-1587 Option (-1)	 INT-2BLT12/242

