

FTB890K01

System 800xA hardware selector



Select I/O is an Ethernet networked, single channel granular I/O system for the ABB Ability™ System 800xA automation platform. Select I/O helps decouple project tasks, minimizes the impact of late changes and supports standardization of I/O cabinetry ensuring automation projects are delivered on-time and under budget.

The FTB890 is a field terminal block with 4 screw terminals to be used with a single intrinsically safe Signal Conditioning Module. The FTB is installed on the MTU for Select I/O (TUS810) and includes a keying mechanism that is set to a certain code when an SCM is inserted for the first time to ensure only the same type of SCM can be installed in that slot. The key can be reset by removing and reinserting the FTB. (10 pieces per package).

Features and benefits

- One slot for connection of SCM
- Four screw terminals for connection of wires
- Coding system with 5 coding fingers for self-learning and resettable coding of the SCM type
- Can be used in hazardous areas
- Hole for each terminal for connecting test probes (for measurements)

General info

Article number	3BSE078760R1 (FTB890K01)
Type	Field Terminal Block
Intrinsic safety	Yes
Mechanics	Select I/O

Detailed data

Installation in Hazardous Locations	ATEX Zone 2
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Environment and certification	
Temperature, Operating	-40°C (-40°F) to +70°C (158°F)
Temperature, Storage	-40°C (-40°F) to +85°C (185°F)
Pollution degree	Pollution Degree 2 acc. to IEC 60664-1
Relative humidity	5 to 95 % no condensation
Altitude	-1000 to 3000 m, (-100 ... 2000 m for Zone 2/Class I Div 2)
Mechanical operating conditions	IEC 61131-2
EMC	IEC/EN 61000-6-4, IEC/EN 61000-6-2
Overvoltage categories	Category II, IEC 60664-1
Protection class	IP20 according to IEC 60529
CE-marking	Yes
Electrical Safety	IEC/EN 61010-1, IEC 61010-2-201, UL 61010-2-201, CSA C22.2 No. 61010-2-201
Hazardous Area	EN 60079-0, EN60079-7
Marine certification	DNV-GL, ABS
Corrosive atmosphere	G3 (ISA-S71.04)
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	10 mm (0.39 in.)
Depth	85.2 mm (3.35 in.)
Height	74.8 mm (2.94 in.)
Weight (including base)	40 g (0.08 lbs)

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