DATA SHEET

FTB820K01

ABB Ability™ 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. A Signal Conditioning Module (SCM) performs the necessary signal conditioning and powering of the connected field device for one I/O channel.

The FTB820K01 is a field terminal block (Red) 120/230 V kit with 4 screw terminals to be used with a single 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 specific code when an SCM is first inserted 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
- Used for 120/230V applications
- Hole for each terminal for connecting test probes (for measurements)

General info	
Article number	2PAA125366R1
Type	Field Terminal Block 120/230 V
Redundancy	No
Intrinsic safety	No
Mechanics	Select I/O

Detailed data	
Installation in Hazardous Area/Locations	No/No

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 %, non-condensing
Altitude	-1000 to 5000 m (max 3000 m above 150V, restrictions apply)
Mechanical operating conditions	IEC 61131-2
EMC	IEC/EN 61000-6-4, IEC/EN 61000-6-2
Overvoltage categories	Category II acc. to IEC 60664-1
Protection class	IP20 acc. to IEC 60529
CE-marking	Yes
UKCA	Yes
Electrical Safety	IEC/EN 61010-1 UL 61010-1 CSA-C22.2 No. 61010-1-12 IEC/EN 61010-2-201 UL 61010-2-201 CSA C22.2 No. 61010-2-201
Marine certification	N/A
Corrosive atmosphere	G3
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	EU
Hazardous Area ATEX	No
Hazardous Area IECEx	No
Hazardous Location US/CAN	No
Hazardous Area CCC	No

Dimensions	
Width	10 mm
Depth	85.2 mm
Height	74.8 mm
Weight (including base)	40 g

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