

# 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<br>UL 61010-1<br>CSA-C22.2 No. 61010-1-12<br>IEC/EN 61010-2-201<br>UL 61010-2-201<br>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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