

# GTS810

## 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 GTS810 Grounding Termination Module provides a ground termination alternative for field wires associated with a single Field Termination Block (FTB).

### Features and benefits

- Ground termination option for all field wires connected to the belonging FTB
- Easy reconnection of field wiring when GTS810 will be replaced by an SCM
- Mechanical keying to prevent insertion of wrong module type after commissioning
- Can be used in hazardous areas
- Usable for (blue) IS and (grey) non-IS FTB
- No LED indicators

| General info   |                              |
|----------------|------------------------------|
| Article number | 3BSE093006R1                 |
| Type           | Grounding Termination Module |
| Redundancy     | No                           |
| Hot swap       | Yes                          |
| Mechanics      | Select I/O                   |

| Detailed data                            |                  |
|--|------------------|
| Installation in Hazardous Area/Locations | Yes/Yes (on IPA) |

| 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-condensation   |
| Altitude                        | -1000 to 5000 m (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            | DNV, ABS  |
| Corrosive atmosphere            | G3  |
| RoHS compliance                 | EU RoHS, UAE RoHS, CN RoHS  |
| WEEE compliance                 | EU  |
| Hazardous Area ATEX             | II 3G Ex ec IIC T4 Gc   |
| Hazardous Area IECEx            | Available on IPA:<br>II 3G Ex ec IIC T4 Gc  |
| Hazardous Location US/CAN       | Available on IPA:<br>cULus<br>CL I, ZN 2, AEx ec IIC T4 Gc, Ex ec IIC T4 Gc X<br>CL I, DIV 2, Groups A-D T4                   |
| Hazardous Area CCC              | Ex ec IIC T4 Gc<br>Ex ec ic IIC T4 Gc   |

| Dimensions              |         |
|-------------------------|---------|
| Width                   | 77.9 mm |
| Depth                   | 108 mm  |
| Height                  | 15.8 mm |
| Weight (including base) | 76 g    |

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