

# 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)
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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 %, 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 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	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: II 3G Ex ec IIC T4 Gc
Hazardous Location US/CAN	Available on IPA: cULus CL I, ZN 2, AEx ec IIC T4 Gc, Ex ec IIC T4 Gc X CL I, DIV 2, Groups A-D T4
Hazardous Area CCC	Ex ec IIC T4 Gc 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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