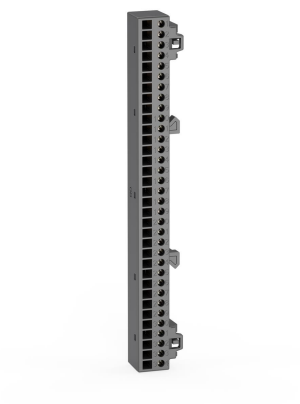
DATA SHEET

GTB810
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 GTB810 Grounding Terminal Bar has 34 screw terminals, is optionally added to the TUS810 Select I/O MTU and is used to land ground shields and spare cables.

Features and benefits

- Grounding bar GTB810 is an option to the I/O unit
- GTB810 is isolated and can be connected by the user to ground
- Facilitates grounding of spare cores and cable shields
- 34 screw terminals (first and last terminal used for the grounding)
- Can be used in hazardous areas

General info	
Article number	3BSE078722R1
Type	Grounding Terminal Bar
Mechanics	Select I/O

Detailed data	
Installation in Hazardous Locations	ATEX – II 3G Ex nA/eC IIC T4 Gc Class I, Zone 2, IIC T4 Class I, Div 2, Groups A, B, C, D T4

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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, EN60079-15, UL 12.12.01 / CSA C22.2 No. 213-17
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	21.9 mm (0.86 in.)
Depth	17.2 mm (0.67 in.)
Height	165.5 mm (6.51 in.)
Weight (including base)	109 g (0.24 lbs)

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