

Sonix™ Hmi Br

PA/GA Hmi 5 safety barrier

Overview

Sonix™ Hmi Br is a ATEX/IECEX approved safety barrier for the protection of Sonix™ Hmi access panels. It has been specifically designed to work with the Sonix™ Hmi 5 intrinsically safe access panel providing protection for its signals and power allowing it to operate in a hazardous area.

Features

- ATEX and IECEX approved
- Low rack footprint
- Fully encapsulated
- Provides a clear segregation between I.S. and non-I.S. circuits
- Only one safety barrier required per Hmi 5 system connection

Sonix™ Hmi Br allows for the safe operation of a Hmi 5 in a hazardous area following intrinsically safe principals. Each unit provides all the protection, current and voltage limiting components for connection to a single Hmi 5.

Located within the system cabinet interfacing between the Hmi Tu and field terminals, the Hmi Br provides the separation and segregation between I.S. and non-I.S. circuits.

The Hmi Br is fully encapsulated to prevent any un-authorised changes or accidental damage to the safety components.

Certifications

ATEX Ex ia	Cert no. ITS13ATEX27896X Certified to: EN60079-0, EN60079-11, EN60079-26 ExII 1G [Ex ia Ga] IIC -40°C ≤ Ta ≤ +60°C
IECEX Ex ia	Cert no. IECXITS13.004X Certified to: IEC60079-0, IEC 60079-11, IEC60779-26 [Ex ia Ga] IIC -40°C ≤ Ta ≤ +60°C

Specification

Mechanical / environmental	
Fixing	Din rail security fixing
Weight	0.5kg
Dimensions (H x W x D mm)	118 x 80 x 50
Material	Flame retardant PVC/PA UL94/V0
Operating temp	-20°C to +55°C
Service location	Located within system cabinet
Connectors	Screw terminals accepting up to 2.5mm ²
I.S. Earth	M4x20mm post

The Hmi Br has only been designed to work with Sonix™ products, do not use with non-approved products.

Electrical	Operating (V)
Channel 1 (Au-)	24 (max)
Channel 2 (Au+)	24 (max)
Channel 3 (Da-)	7.0 (max)
Channel 4 (Da+)	7.0 (max)
Screen (Scn)	I.S. Earth/0 V

Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

Model

Sonix-Hmi-Br

General arrangement drawing (all dimensions in mm)

