

JUNCTION BOXES AND PANELBOARDS

Q-GENESIS Series



Q-GENESIS series is a junction boxes and panelboards, that use certified SB enclosures of various sizes.

Enclosures may be equipped with certified Ex equipment or Ex component and Ex terminal. Certified Ex equipment or Ex component and Ex terminal must be used according to data available in related component or equipment certificates, in particular relevant temperature range, voltage, and current limitations.

Junction boxes and panel boards shall only be used in an area of not more than pollution degree 2.

Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment if Ex equipment/Ex component installed have these condition in its certificate.

MARKING

II 3G Ex db ec ia/ib mb nC IIC/IIB T6 ... T4 Gc

II 3D Ex tc IIIC T85°C ... T135°C DC

Ex db ec ia/ib mb nA nC IIC/IIB T6...T3 Gc or

Ex db ec ia/ib mb/mc nA nC [ia Ga] [ib Gb] IIC/IIB T6...T3 Gc

Ex tc IIIC T85°C...T200°C Dc

TECHNICAL FEATURES

Material	Stainless steel AISI316L
IP rating	IP66/67
Ambient temperature range	From -50°C to + 95°C (depending of installed components)
Zones	Zones 2, 22
Approvals	FIDI 21 ATEX 0080X IECEX FIDI 21.0010X SB <u>Full conformity Certificate:</u> FIDI 21 ATEX 0090X IECEX FIDI 21.0015X EAC: RU C-IT.BH02.B.00593/20 <u>Component Certificate:</u> FIDI 21 ATEX 0075U IECEX FIDI 21.0012U EAC: RU C-IT.BH02.B.00593/20 EAC: RU C-IT
Thermal resistance of enclosure (Rth)	Up to 3,582 Rth [K/W]