

PANELBOARD SYSTEM

EJSB Series - Local control stations and panelboards



The panelboards system has the function of junction box, local control station and control panel. The local control stations and panelboards EJSB series is an assembly of one 'Ex eb' and one 'Ex db' protected apparatus joined by means of an intermediate device, which form part of the Ex-eb enclosure. The 'Ex eb' and 'Ex db' junction boxes could be also joined directly without the intermediate enclosure device, maintaining the same interface properties. The 'Ex eb' protected junction box is completely defined by the SB-* series. The 'Ex eb' enclosure is made in stainless steel, the cover and lateral removable plates are fixed to the body with screws and rubber gasket interposition ensuring the IP66 protection. The 'Ex db' protected junction box is completely defined by the EJB* series and already covered by certificate. The 'Ex db' enclosure is made in light alloy, stainless steel or carbon steel, the cover and the enclosure body are coupled means of an explosion proof joint suitable for gas group IIB+H2 without rubber gasket interposition. The 'Ex eb' and 'Ex db' enclosures are coupled together defining the panelboards system, by means of an intermediate device made in stainless steel material and fixed on both enclosures' wall by means of a gasket.

MARKING

II 2G Ex db eb (**) IIB or IIB +H2 T6 ... T4 Gb, or
 II 2(1)G Ex db [ia Ga or ib] eb (**) IIB or IIB +H2 T6 ... T4 Gb,
 or II 2D Ex tb IIIC T85°C ... T135°C Db, or
 II 2(1)G Ex tb [ia Da or ib] IIIC T85°C ... T135°C Db

TECHNICAL FEATURES

Material

SB

Stainless steel AISI 316L

EJB

Light alloy
 Stainless steel AISI 316L or
 Galvanized carbon steel

IP rating

IP65, IP66

Ambient temperature range

From -50°C to +60°C

Approvals

FIDI 21 ATEX 0079X
 IECEx EXA 17.0012X

SB

Full conformity Certificate:

FIDI 21 ATEX 0090X
 IECEx FIDI 21.0015X
 EAC: RU C-IT.BH02.B.00593/20

Component Certificate:

FIDI 21 ATEX 0075U
 IECEx FIDI 21.0012U
 EAC: RU C-IT.BH02.B.00593/20 EAC: RU C-IT

EJB

Full Conformity Certificate

ATEX: INERIS 00ATEX0021X IECEx: INE
 10.0015X
 EAC: RU C-IT.BH02.B.00588/20

Maximum rated voltage

1000 V

Maximum rated current

350 A