



Ex d control units

Features

- Standard components
- Cost-effective; also applies to spare parts
- Easy-to-service
- Expandible

Description

The BARTEC Ex d control panels are constructed according to protection type Ex d, flameproof encapsulation. Standard components such as switches, contactors and relays are mounted in an explosionproof enclosure constructed in such a way as to keep internal explosions from igniting the surrounding atmosphere.

Ex d control panels are usually custom-built in close cooperation with the customer himself for his special application.

Version

Flameproof control panels are available either with direct cable-entries through Ex d cable-glands or with indirect cable-entries through a junction box with protection type increased safety Ex e.

The electrical wiring between Ex d and Ex e enclosure will be done through Ex d line bushings.

Fields of application

- Zone 1 + 2 and zone 21 + 22
- Gas groups IIA, IIB and IIB + H2
- Temperature class T4/T5 or T6



Explosion protection

Ex protection type

- ATEX** II 2G Ex d...IIB+H2 T6 or T4
 II 2(1, 2, 3)G Ex d...IIB+H2 T6 or T5
 II 2D Ex td...A21 IP 6X T80 °C to T130 °C
 II 2(1, 2, 3)D Ex tD...A21 IP 6X T80 °C to T130 °C

Certification

DEKRA 13 ATEX 0209

IECEx

- Ex d...IIB, IIB+H2 T6 or T4
 Ex d...IIB, IIB+H2 T6 or T5
 Ex td...A21 IP 6X T80 °C to T130 °C
 Ex tD...A21 IP 6X T80 °C to T130 °C

Certification

IECEx DEK 13.0075

Other approvals and certificates, see www.bartec-group.com

Technical data

Nominal voltage

- AC 1000 V
 DC 1500 V

Operating voltage

25 kV

Rated current

1000 A

Protection class

IP 65/IP 66/IP 67

Material

- Aluminum alloy < (Cu 0.05 %)
 Stainless steel 1.4404

Selection chart

Name	Dimensions (mm) outside			Dimensions (mm) inside			empty weight kg
	width	height	depth	width	height	depth	
EJB-1A	304	204	218	240	140	153	10,3
EJB-2A	424	224	218	360	160	153	15,4
EJB-3A	364	284	278	300	220	213	19,4
EJB-3BA	364	284	218	300	220	153	16,4
EJB-4A	432	332	299	360	260	233	25,4
EJB-4BA							
EJB-45A	567	387	298	490	305	229	38,9
EJB-45BA							
EJB-5A	632	432	341	560	360	275	51
EJB-5BA							
EJB-503	632	432	397	560	360	330	59,2
EJB-55	710	510	356	630	430	273	81,3
EJB-6	870	650	480	760	540	353	158,4
EJB-6B	870	650	380	760	540	253	138,5
EJB-7	1000	700	500	890	590	340	248
EJB-7B	1000	700	400	890	590	240	210

It is possible to combine the various enclosures.

למידע נוסף



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