

SM87 JB junction boxes range

Ex d



Overview

A metallic junction box for Zone 1 or Zone 2 use.

Available in stainless steel or marine grade alloy.

Various terminals and entries can be accommodated.

Stainless steel, one of the most durable materials available on the market, is both hard wearing and corrosion resistant, increasing the life of products in harsh environments and therefore reducing maintenance costs.

Features

- Zone 1 and Zone 2 use
- Ex d IIC T5/T6
- ATEX approved Ex II 2GD
- IECEx certificated Gb, Db
- IP66 and 67
- Optional telephone or relay initiate
- Optional resistors or diodes



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

ATEX Ex d	<p>Cert. no. Bas03ATEX0463.</p> <p>Certified to: EN60079-0, EN60079-1, EN60079-31.</p> <p>Ex II 2GD, Ex d IIC T4/5/6 Gb, Ex tb IIIC T135/100/85°C Db, IP66/67</p>
IECEx Ex d	<p>Cert. no. IECEx BAS 13.0048</p> <p>Certified to: IEC60079-0, IEC60079-1, IEC60079-31.</p> <p>Ex d IIC T4/5/6 Gb, Ex tb IIIC T135/100/85°C Db, IP66/67</p>

Material	Stainless steel grade 316 ANC4B, marine grade alloy LM25	
Finish	Painted to customer specification	
Certified temp	-55°C to +85°C (T4) -55°C to +70°C (T5) -55°C to +55°C (T6) T ratings are for units with terminals only	
Weight	3.1kg	
Ingress protection	IP66 and IP67	
Entries	Max. one per face in M20 or M25 ISO	
Resistor or diode	Contact sales office for information. Maximum of two components	
Relay initiate	Initiate voltage:	24 or 48Vdc
	Max switching voltage:	250Vac
	Max switching current:	10A
Telephone initiate	Ringing voltage:	24-70Vac
	Max switching voltage:	240Vac
	Max switching current:	2A

Terminal KLIPPON	No. off	Max volts	Max amps	Max conductor size mm²
BK6	6	440V	25A	4
MK3/10	10	440V	25A	2.5
AKZ4	12	440V	25A	4
SAKD2.5N	12	440V	25A	2.5
SAK2.5	8	440V	25A	2.5
SAK4	6	440V	25A	4

Terminal PHOENIX	No. off	Max volts	Max amps	Max conductor size mm²
MBK	12	440V	25A	1.5
MBK5	12	440V	25A	4
MBK6	10	440V	25A	6
BK4	10	440V	25A	4

[illegible]

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

The diagram illustrates the structure of a component code, divided into seven fields: Model, Certification, Entries, Terminals, Tag/duty, Options, and Finish. Each field has a list of possible values and their corresponding codes.

- Model:** SM87JBA (alloy), SM87JBS (stainless steel)
- Certification:** ATEX (B), IECEX (J)
- Entries:** M20 (1), M25 (2), Please specify (Top: *T, Bottom: *B, RHS: *R, LHS: *L)
- Terminals:** None (NN*), BK6 (11), MK3/10 (12), AKZ 4 (13), SKD2.5N (14), SAK2.5 (15), SAK4 (16), MBK (21), MBK5 (22), MBK6 (23), BK4 (24)
- Tag/duty:** None (N), Yes (Y*)
- Options:** None (N), Telephone initiate (T), Relay initiate (R*), Resistors (St), Diodes (Dt)
- Finish:** Red (R), Blue (B), Yellow (Y), Yellow/black stripes (X), Grey (G), Special (S*)

*Prefix position with entry size code
e.g. 1T1B = M20 top and bottom entries

*Please select for telephone or relay initiate version

*Please specify voltage
†Please specify values and wiring arrangement
Max of two components



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com