



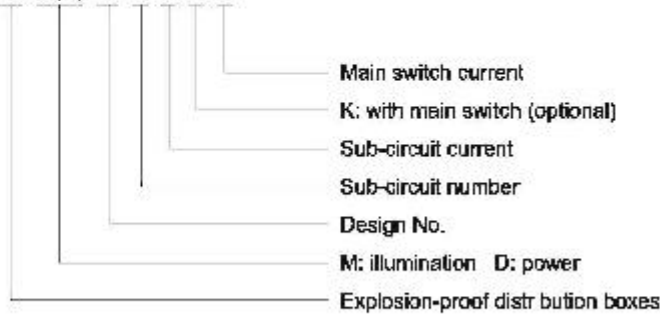
Distribution Boxes

BXM(D)53 Series Explosion-proof Illumination (Power) Distribution Boxes (Ex de IIC)

- ◆ Explosion protection to
 - GENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Enclosure for modular combination (Ex d & Ex e).
- ◆ Main switch and distribution switch are operated with external handle.
- ◆ Internal wiring to the terminal is finished.
- ◆ Weidmuller SAK EN series terminals.
- ◆ Entries plugged. Cable glands on request (see P7/17-19).
- ◆ Special requirements on request.

■ Catalogue number logic

BX M(D) 53-□□/□□/□□



Zones 1&2; 21&22

Technical data

Explosion-proof illumination distribution boxes

BXM53-□/□/□/□

Explosion protection

Gas explosion protection

II 2 G Ex de IIC T8 Gb

Dust explosion protection

II 2 D Ex tb IIC T80°C Db IP65

Certificates

DNV 11 ATEX 02455X; IECEx CQM 11.0042X

Conformity to standards

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

General power supply

Rated voltage: max. 690V AC 50/60Hz; Rated current: max. 100A

Sub circuit current

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A

Exposed fastener

Stainless steel

Enclosure

Enclosure material

Copper-free aluminium; powder coated surface

Enclosure colour

Window gray (RAL7040)

Enclosure type

Modular combination (Ex d & Ex e); MCB, MCCB or other components in Ex d compartment, indicators and terminals in Ex e compartment.

Built-in components

Main switch

MCB (mini circuit breaker) or MCCB (moulded case circuit breaker)

Note: electric leakage protection on request

Sub circuit switch

MCB (mini circuit breaker)

Note: electric leakage protection on request

Terminal

Weidmuller SAK EN series

Indicator

Red

Degree of protection

IP65

Ambient temperature

-20°C~+53°C

Cable entries

Standard M□ x 1.5 plug (see the Selection Table on P6/10)

Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/17~19

Entry direction

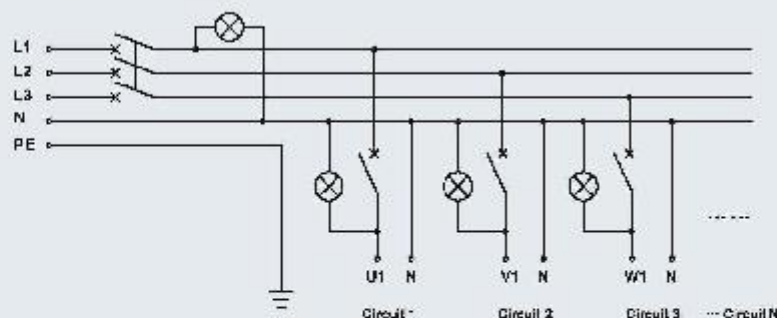
Bottom

Mounting

Surface type (standard)

Pedestal type (optional)

Electrical schematic diagram



BXM53 series explosion-proof illumination distribution boxes