591.AEM2002-A

SWITCH DISCONNECTOR
20A 2P IP66 202x232x142mm II 2GD
EMERGENCY YELLOW/RED



* Product image may be indicative

EN 60079-31 (2014)
IEC 60079-0 (2017)
IEC 60079-31 (2013)
EN 60079-7 (2015)
EN IEC 60079-7/A1 (2018)
IEC 60079-7/AMD1 (2017)
EN 60079-1 (2014)
IEC 60079-1 (2014)
EN 60947-1/A1 (2011)
EN 60947-3/A2 (2015)
EN 60947-1 (2007)
EN 60947-3/A1 (2012)
EN 60947-1/A2 (2014)
EN 60947-3 (2009)
EN IEC 60079-0 (2018)
IEC 60079-7 (2015)

ATEX directive 2014/34/EU

GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-EX[GD] Series
Synthetical description	SWITCH DISCONNECTOR

Description

The ISOLATORS-EX[GD] Series offers a robust SWITCH DISCONNECTOR designed for emergency applications, featuring a rated current of 20A and a 2-pole configuration. Engineered for surface mounting, this device is enclosed in a durable die-cast aluminium housing, ensuring a high protection degree of IP66. It is suitable for use in potentially explosive atmospheres, classified under Group and Categories EX: II 2GD, in compliance with ATEX standards. The switch disconnector is equipped with a yellow/red handle, which is padlockable in both OFF (accommodating up to three padlocks) and ON (one padlock) positions, enhancing safety and security. With an impact resistance of 7J, this device is built to withstand demanding industrial environments. An earth-stud is included for grounding purposes, ensuring reliable operation. The ISOLATORS-EX[GD] Series is an optimal choice for professionals requiring dependable and secure electrical isolation in hazardous locations.

Type	EMERGENCY
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	2P
Rated insulation voltage (Ui)	690VAC
Current (Ie) AC22A (690V)	20A
Current (Ie) AC23A (500V)	20A
Current (Ie) AC3 (500V)	20A
Terminals - Flexible wires	10mm²
Terminals - Rigid wires	16mm²

EX CHARACTERISTICS

Group and categories EX	II 2GD

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	DIE-CAST ALUMINIUM
Protection degree IP	IP66
Colour	YELLOW/RED
Cable entry	2xM25
Cable size	ø8-18mm
Impact resistance	7J
Padlock	ø6mm
Ambient temperature Ta min	-50 °C
Ambient temperature Ta max	60 °C
Terminals tightening torque	0,8Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	202x232x142mm

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Technical drawing [PDF]
Technical drawing [STP]
Technical drawing [DWG]
Instruction manual

Instruction manual
Instruction manual
Instruction manual

OPTIONS & VARIOUS NOTES

Options	Low temperature [-50°C]
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	ATEX [ATmosphères EXplosibles]: for applications in potentially explosive atmospheres.
	Earth-stud included