590.F2EM16005.SN

SWITCH DISCONNECTOR 160A 3P+SN IP65 315x410x150mm Y5 IK08 FIRE RATED YELLOW/RED FIRE RATED SN (WITH NEUTRAL LINK)



* Product image may be indicative

EN IEC 60947-3 (2021)
EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU

GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-FR Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-fr series is engineered for fire-rated applications, featuring a robust die-cast aluminium construction. With a handle of yellow/red for high visibility, this device carries a rated current of 160A and operates efficiently at 160A in AC23A (415V). It offers a high protection degree of IP65 and an impact resistance IK08, ensuring durability and resistance to demanding environments. The switch disconnector is configured with 3P+SN poles and a Y5 switch size, operating at a rated voltage of 690V. Notable features include a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and an unswitched neutral with a solid neutral terminal block. The unit is designed for surface mounting with enclosed construction.

Type	FIRE RATED
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	160A
Poles	3P+SN
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) AC21A (415V)	160A
Current (Ie) AC21A (500V)	160A
Current (Ie) AC21A (690V)	160A
Current (Ie) AC22A (415V)	160A
Current (Ie) AC22A (500V)	160A
Current (Ie) AC22A (690V)	125A
Current (Ie) AC23A (415V)	160A
Current (Ie) AC23A (500V)	125A
Current (Ie) AC23A (690V)	125A
Power AC23A (415V)	75kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm²
Terminals - Rigid wires	10-70mm²

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	DIE-CAST ALUMINIUM
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
Fire rated class	F200 (120min)
Protection degree IK	IK08
Padlock	ø8mm
Terminals tightening torque	6,0Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	315x410x150mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Notes	FIRE RATED
Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Blank sides
	Unswitched neutral (solid neutral terminal block)