590.FEM8005

SWITCH DISCONNECTOR
80A 4P(3P+N) IP65 217x253x93mm
FR2 IK08 FIRE RATED YELLOW/RED
FIRE RATED



* Product image may be indicative

EN IEC 60947-3 (2021)
EN IEC 60947-1 (2021)
Low voltage direct. 2014/35/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 80A and operates efficiently at 80A in AC23A (415V). It offers a high protection degree of IP65 and an impact resistance IK08, ensuring durability and resistance to challenging environments. The switch disconnector is configured with 4P(3P+N) poles and a late break and early make neutral pole, and an FR2 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 a surface mounting version with enclosed construction.

Type	FIRE RATED
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	4P(3P+N)
Switch size	FR2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	100A
Current (Ie) AC21A (415V)	100A
Current (Ie) AC22A (415V)	80A
Current (Ie) AC23A (415V)	80A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	80A
Terminals - Flexible wires	10-50mm²
Terminals - Rigid wires	10-50mm²

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	F400 (120min)
Protection degree IK	IK08
Padlock	ø8mm

DIMENSIONAL CHARACTERISTICS

Dimensions	217x253x93mm

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

OPTIONS & VARIOUS NOTES

Notes	FIRE RATED
Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	With late break and early make neutral pole
	Blank sides