590.FGE4005

SWITCH DISCONNECTOR
40A 4P(3P+N) IP65 168x192x80mm
FR1 IK08 FIRE RATED GREY/BLACK
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 grey/black for professional aesthetics. This device carries a rated current of 40A and operates efficiently at 35A 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 FR1 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	40A
Poles	4P(3P+N)
Switch size	FR1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	6KV
Thermal current (Ithe)	40A
Current (Ie) AC21A (415V)	40A
Current (Ie) AC22A (415V)	40A
Current (Ie) AC23A (415V)	35A
Power AC23A (415V)	18.5kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	40A
Terminals - Flexible wires	1.5-10mm²
Terminals - Rigid wires	1.5-16mm²

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	DIE-CAST ALUMINIUM
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Fire rated class	F400 (120min)
Protection degree IK	IK08
Padlock	ø6mm

DIMENSIONAL CHARACTERISTICS

Dimensions	168x192x80mm

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

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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