590.HGE10005

SWITCH DISCONNECTOR
100A 4P(3P+N) IP66
150x210x107mm Y4 IK10 GENERAL
GREY/BLACK



* 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-AL Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-al series is engineered for industrial applications, featuring a robust die-cast aluminium construction. With a handle of grey/black for professional aesthetics. This device carries a rated current of 100A and operates efficiently at 100A in AC23A (415V). It offers a high protection degree of IP66 and an impact resistance IK10, ensuring durability and resistance to harsh environments. The switch disconnector is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y4 switch size, operating 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 open threaded cable entry with cap/cable sleeve.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	100A
Poles	4P(3P+N)
Switch size	Y4
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	125A
Current (Ie) AC21A (415V)	125A
Current (Ie) AC21A (500V)	125A
Current (Ie) AC21A (690V)	125A
Current (Ie) AC22A (415V)	100A
Current (Ie) AC22A (500V)	100A
Current (Ie) AC22A (690V)	100A
Current (Ie) AC23A (415V)	100A
Current (Ie) AC23A (500V)	63A
Current (Ie) AC23A (690V)	63A
Power AC23A (415V)	45kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	100A
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	IP66
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Protection degree IK	IK10
Padlock	ø8mm
Terminals tightening torque	3,5Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	150x210x107mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

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
	Open threaded cable entry with cap / cable sleeve