590.SGE10005

SWITCH DISCONNECTOR
100A 4P(3P+N) IP65
150x220x120mm 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

GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-INOX Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-inox series is engineered for industrial applications, featuring a robust stainless steel [AISI304L] 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 IP65 and an impact resistance IK10, ensuring durability and resistance to demanding 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 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 blank sides.

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	STAINLESS STEEL [AISI304L]
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Protection degree IK	IK10
Padlock	ø8mm
Terminals tightening torque	3,5Nm

DIMENSIONAL CHARACTERISTICS

SCAME PARRE S.p.A
Via Costa Erta, 15 - 24020 Parre (BG) Italy - +39 035 705000

Dimensions	150x220x120mm

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Technical drawing [PDF]
Technical drawing [STP]
Technical drawing [DWG]

OPTIONS & VARIOUS NOTES

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