590.SGE8005.SN

SWITCH DISCONNECTOR
80A 3P+SN IP65 150x220x120mm Y4 IK10 GENERAL GREY/BLACK 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

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 80A and operates efficiently at 80A 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 3P+SN poles and a Y4 switch size, operating at a rated voltage of 690V. Notable features include blank sides, 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. Designed for surface mounting.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	3P+SN
Switch size	Y4
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	100A
Current (Ie) AC21A (415V)	100A
Current (Ie) AC21A (500V)	100A
Current (Ie) AC21A (690V)	100A
Current (Ie) AC22A (415V)	80A
Current (Ie) AC22A (500V)	80A
Current (Ie) AC22A (690V)	80A
Current (Ie) AC23A (415V)	80A
Current (Ie) AC23A (500V)	63A
Current (Ie) AC23A (690V)	63A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	50kAeff
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	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

Dimensions	150x220x120mm

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

OPTIONS & VARIOUS NOTES

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