590.SEM2005.WSN

SWITCH DISCONNECTOR
20A 3P+SN IP65 150x160x90mm Y1 IK10 EMERGENCY YELLOW/RED SN (WITH NEUTRAL LINK) HIGH WIRING CAPACITY



* 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-INOX Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-inox series is engineered for emergency applications, featuring a robust stainless steel [AISI304L] construction. With a handle of yellow/red for high visibility, this device carries a rated current of 20A and operates efficiently at 20A in AC23A (415V). It offers a high protection degree of IP65 and an impact resistance IK10, ensuring durability and resistance to harsh environments. The switch disconnector is configured with 3P+SN poles and a Y1 switch size, operating at a rated voltage of 690V. Notable features include a door interlock, a padlockable handle in the OFF position for up to three padlocks, and an unswitched neutral with a solid neutral terminal block. The unit is designed for surface mounting with increased dimensions.

Type	EMERGENCY
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	3P+SN
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) AC21A (415V)	25A
Current (Ie) AC21A (500V)	25A
Current (Ie) AC21A (690V)	25A
Current (Ie) AC22A (415V)	20A
Current (Ie) AC22A (500V)	20A
Current (Ie) AC22A (690V)	20A
Current (Ie) AC23A (415V)	20A
Current (Ie) AC23A (500V)	20A
Current (Ie) AC23A (690V)	20A
Current (Ie) AC3 (415V)	18A
Current (Ie) AC3 (690V)	12A
Current (Ie) in DC22A (250V)	25A
Current (Ie) in DC22A (600V)	10A
Power AC23A (415V)	11kW
Short-time withstand current	400A Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	20A
Terminals - Flexible wires	1.5-10mm²
Terminals - Rigid wires	1.5-16mm²

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	STAINLESS STEEL [AISI304L]
Protection degree IP	IP65
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
Protection degree IK	IK10
Padlock	ø6mm

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Terminals tightening torque	0,8Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	150x160x90mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Notes	HIGH WIRING CAPACITY
Catalogue notes	Blank sides
	Equipped with door interlock
	Handle padlockable in OFF position only (3 padlocks)
	Unswitched neutral (solid neutral terminal block)
	Switch and enclosure increased dimensions