590.SEM2005

SWITCH DISCONNECTOR
20A 4P(3P+N) IP65 100x160x90mm
Y1 IK10 EMERGENCY YELLOW/RED



* 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 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 4P(3P+N) poles and a late break and early make neutral pole, 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 up to three padlocks, and a surface mounting version with blank sides.

Type	EMERGENCY
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	4P(3P+N)
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

Terminals tightening torque	0,8Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	100x160x90mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

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