590.EM12505

SWITCH DISCONNECTOR
125A 4P(3P+N) IP66/IP69
240x340x137mm Y5 IK09
EMERGENCY YELLOW/RED GW
650°C



* 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-TP Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-tp series is engineered for emergency applications, featuring a durable construction of engineering plastic. With a handle of yellow/red for high visibility, this device is rated for a current of 125A and operates efficiently at 125A in AC23A (415V). It supports a rated voltage of 690V and is configured with 4P (3P+N) poles, including a late break and early make neutral pole. The switch size is Y5, and it offers a high protection degree of IP66/IP69 and impact resistance of IK09. Designed for surface mounting, it includes a door interlock and a padlockable handle in the OFF position for up to three padlocks. The reversible base features blank sides with drilling point marks and break-through cable entries.

Type	EMERGENCY
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	125A
Poles	4P(3P+N)
Switch size	Y5
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	160A
Current (Ie) AC21A (415V)	160A
Current (Ie) AC21A (500V)	160A
Current (Ie) AC21A (690V)	160A
Current (Ie) AC22A (415V)	125A
Current (Ie) AC22A (500V)	125A
Current (Ie) AC22A (690V)	125A
Current (Ie) AC23A (415V)	125A
Current (Ie) AC23A (500V)	125A
Current (Ie) AC23A (690V)	125A
Power AC23A (415V)	55kW
Short-time withstand current	3kA Icw(1s)
Conditional short circuit cur.	50kAeff
Associate fuse - type gG	125A
Terminals - Flexible wires	10-70mm²
Terminals - Rigid wires	10-70mm²

PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	YELLOW/RED
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Catalogue notes	Equipped with door interlock
	With late break and early make neutral pole
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base
	Handle padlockable in OFF position only (2 padlocks)