590.CGE12503

SWITCH DISCONNECTOR
125A 3P IP66/IP69 240x340x137mm Y5 IK09 GENERAL GREY/BLACK GW 650°C



* Product image may be indicative

EN IEC 60947-3 (2021)
EN IEC 60947-1 (2021)

Low voltage direct. 2014/35/EU
EMC directive 2014/30/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 industrial applications, featuring a durable construction of engineering plastic. With a handle of grey/black, this device is designed for high visibility and operational efficiency. It carries a rated current of 125A and operates at a rated voltage of 690V, with a current (Ie) of 125A in AC23A (415V). The switch disconnector is configured with 3P poles and a Y5 switch size, offering a high protection degree of IP66/IP69 and impact resistance of IK09. Notable features include a surface mounting version, EMC compliant connection, door interlock, and a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. The reversible base includes blank side drilling point marks and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	125A
Poles	3P
Switch size	Y5
Rated voltage	690V
EMC clips number	4
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	GREY/BLACK
GLOW WIRE	GW 650°C
Protection degree IK	IK09
Padlock	ø8mm
Terminals tightening torque	6,0Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	240x340x137mm
Cable shielding (ø min-max)	22-30mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Catalogue notes	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Equipped with door interlock
	Reversible base
	Blank side with drilling point marks on top side base
	Break-through cable entries on bottom side base
	EMC (Electromagnetic Compatibility) compliant connection