590.CGE2013

SWITCH DISCONNECTOR
20A 3P IP66/IP69 110x150x87mm Y1 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

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 surface mounting and operates at a rated current of 20A and a rated voltage of 690V. It is configured with 3P poles and a Y1 switch size, ensuring efficient operation at 20A in AC23A (415V). The switch disconnector offers a high protection degree of IP66/IP69 and an impact resistance of IK09. Notable features include a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, a reversible base, and EMC compliant connection. The design includes blank side with drilling point marks and break-through cable entries.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	20A
Poles	3P
Switch size	Y1
Rated voltage	690V
EMC clips number	2
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	ENGINEERING PLASTIC
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
GLOW WIRE	GW 650°C

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Protection degree IK	IK09
Padlock	ø6mm
Terminals tightening torque	0,8Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	110x150x87mm
Cable shielding (ø min-max)	9-12mm

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