590.CGE8003

SWITCH DISCONNECTOR
80A 3P IP66/IP69 160x220x115mm
Y2 IK09 GENERAL GREY/BLACK GW
650°C



* Product image may be indicative

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 high visibility and operational efficiency. It carries a rated current of 80A and operates at a rated voltage of 690V, with a current of 67A in AC23A (415V). The switch disconnector is configured with 3P poles and a Y2 switch size, offering a high protection degree of IP66/IP69 and impact resistance of IK09. It is designed for surface mounting and includes a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions. Additional features include a reversible base and EMC compliant connection.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	3P
Switch size	Y2
Rated voltage	690V
EMC clips number	2
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) AC21A (415V)	80A
Current (Ie) AC21A (500V)	80A
Current (Ie) AC21A (690V)	80A
Current (Ie) AC22A (415V)	80A
Current (Ie) AC22A (500V)	80A
Current (Ie) AC22A (690V)	80A
Current (Ie) AC23A (415V)	67A
Current (Ie) AC23A (500V)	67A
Current (Ie) AC23A (690V)	38A
Current (Ie) AC3 (415V)	55A
Current (Ie) AC3 (690V)	32A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	80A
Terminals - Rigid wires	10-35mm²

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	3,6Nm

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DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
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