590.CGE10003

SWITCH DISCONNECTOR
100A 3P IP66/IP69 160x220x115mm Y4 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 100A and operates effectively at 100A in AC23A (415V). The switch disconnector offers a high protection degree of IP66/IP69 and an impact resistance of IK09, ensuring resilience in demanding environments. Configured with 3P poles and a Y4 switch size, it operates at a rated voltage of 690V. 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 and break-through cable entries enhance installation flexibility.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	100A
Poles	3P
Switch size	Y4
Rated voltage	690V
EMC clips number	2
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	8kV
Thermal current (Ithe)	125A
Current (Ie) AC21A (415V)	125A
Current (Ie) AC21A (500V)	125A
Current (Ie) AC21A (690V)	125A
Current (Ie) AC22A (415V)	100A
Current (Ie) AC22A (500V)	100A
Current (Ie) AC22A (690V)	100A
Current (Ie) AC23A (415V)	100A
Current (Ie) AC23A (500V)	63A
Current (Ie) AC23A (690V)	63A
Power AC23A (415V)	45kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	30kAeff
Associate fuse - type gG	100A
Terminals - Flexible wires	10-50mm²
Terminals - Rigid wires	10-50mm²

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	3,5Nm

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DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm
Cable shielding (ø min-max)	22-30mm

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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