

590.HGE8005**SWITCH DISCONNECTOR**

80A 4P(3P+N) IP66 150x210x107mm
Y2 IK10 GENERAL GREY/BLACK



* 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-AL Series
Synthetical description	SWITCH DISCONNECTOR

Description

The switch disconnectors isolators-al series is engineered for industrial applications, featuring a robust die-cast aluminium construction. With a handle of grey/black for professional aesthetics, this device carries a rated current of 80A and operates efficiently at 67A in AC23A (415V). It offers a high protection degree of IP66 and an impact resistance IK10, ensuring durability and resistance to harsh environments. The switch disconnectors is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y2 switch size, operating at a rated voltage of 690V. Notable features include a door interlock, a padlockable handle in both OFF (up to three padlocks) and ON (one padlock) positions, and open threaded cable entry with cap/cable sleeve.

Type	GENERAL
Mounting version	SURFACE MOUNTING

■ TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	4P(3P+N)
Switch size	Y2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) in AC21A (415V)	80A
Current (Ie) in AC21A (500V)	80A
Current (Ie) in AC21A (690V)	80A
Current (Ie) in AC22A (415V)	80A
Current (Ie) in AC22A (500V)	80A
Current (Ie) in AC22A (690V)	80A
Current (Ie) in AC23A (415V)	67A
Current (Ie) in AC23A (500V)	67A
Current (Ie) in AC23A (690V)	38A
Current (Ie) in AC3 (415V)	55A
Current (Ie) in 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	10-35mm ²

■ PHYSICAL CHARACTERISTICS

Construction type	Enclosed
Mounting version	SURFACE MOUNTING
Material	DIE-CAST ALUMINIUM
Protection degree IP	IP66
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Protection degree IK	IK10
Padlock	ø8mm
Terminals tightening torque	3,6Nm

■ DIMENSIONAL CHARACTERISTICS

Dimensions	150x210x107mm
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■ 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
	With late break and early make neutral pole
	Open threaded cable entry with cap / cable sleeve

Submitted by TECO Group