590.HGE8015.SN

SWITCH DISCONNECTOR
80A 3P+SN IP66/IP69
160x220x115mm Y2 IK10 GENERAL
GREY/BLACK SN (WITH NEUTRAL
LINK) LOCKABLE ON-OFF



* Product image may be indicative

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

Low voltage direct. 2014/35/EU
DIRECTIVE RoHS 2011/65/EU

GENERAL CHARACTERISTICS

Commercial Series	ISOLATORS-AL[EVO] Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The switch disconnector isolators-al[evo] 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 disconnector is configured with 3P+SN poles 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 drilled and threaded cable entries (2xM32) on both top and bottom sides.

Type	GENERAL
Mounting version	SURFACE MOUNTING

TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	3P+SN
Switch size	Y2
Rated voltage	690V
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	DIE-CAST ALUMINIUM
Protection degree IP	IP66/IP69
Installation temperature	-25°C/+60°C
Colour	GREY/BLACK
Protection degree IK	IK10
Padlock	ø8mm
Terminals tightening torque	3,6Nm

DIMENSIONAL CHARACTERISTICS

Dimensions	160x220x115mm

DOWNLOAD

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

OPTIONS & VARIOUS NOTES

Notes	SN (WITH NEUTRAL LINK)
Catalogue notes	Equipped with door interlock
	Unswitched neutral (solid neutral terminal block)
	Handle padlockable in OFF (3 padlocks) and ON (1 padlock) position
	Top side cable entry: 2xM32 drilled and threaded with cap
	Bottom side cable entry: 2xM32 drilled and threaded with cap