

590.HGE2005

SWITCH DISCONNECTOR
20A 4P(3P+N) IP66 105x150x82mm
Y1 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 disconnecter 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 20A and operates efficiently at 20A 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 disconnecter is configured with 4P(3P+N) poles and a late break and early make neutral pole, and a Y1 switch size, operating 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	20A
Poles	4P(3P+N)
Switch size	Y1
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	25A
Current (Ie) in AC21A (415V)	25A
Current (Ie) in AC21A (500V)	25A
Current (Ie) in AC21A (690V)	25A
Current (Ie) in AC22A (415V)	20A
Current (Ie) in AC22A (500V)	20A
Current (Ie) in AC22A (690V)	20A
Current (Ie) in AC23A (415V)	20A
Current (Ie) in AC23A (500V)	20A
Current (Ie) in AC23A (690V)	20A
Current (Ie) in AC3 (415V)	18A
Current (Ie) in 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	1.5-10mm ²
Terminals - Rigid wires	1.5-16mm 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	0,8Nm
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■ DIMENSIONAL CHARACTERISTICS

Dimensions	105x150x82mm
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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