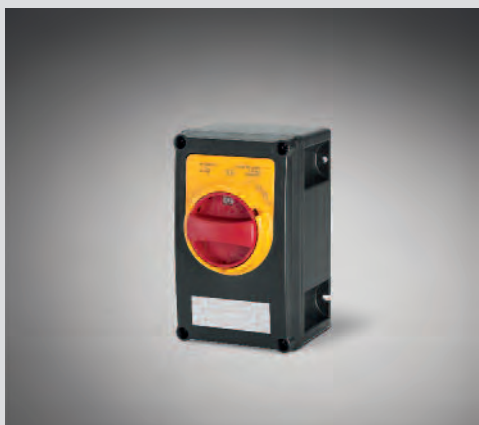


ISOLATORS-HD Series



HEAVY DUTY ENGINEERING THERMOPLASTIC INSULATED ENCLOSURE 20A-40A



VERSION



Surface mounting

REFERENCE STANDARDS

EN 60947-3

Low voltage switchgear and controlgear.
Part 3: switches, disconnectors, switch-disconnectors and fuse-combination unit.

EN 60529

Degrees of protection provided by enclosure.

TECHNICAL CHARACTERISTICS

Polarity:	2P-3P-3P+N
Rated current:	20A-32A-40A
Protection degree:	IP66
Operating ambient temperature according to the reference standard:	-5°C +40°C
Min-Max. operating ambient temperature:	-40°C +60°C
Material:	High performance engineering thermoplastic
IK degree:	IK10
Glow wire test:	960°C (enclosure and switch)
Self extinguishing UL94:	5VA
Colour:	Grey RAL7004
Insulation class:	Class II (double insulation) <input checked="" type="checkbox"/>

3P+N with late break early make neutral pole.
Padlockable handle.
Equipped with door locking.

Outstanding resistance to UV radiation, exceptional reliability under environmental stress and use at both low and high ambient temperatures (-40°C +60°C).

RESISTANCE TO ATMOSPHERIC AGENTS

The structure and materials used also make HD ISOLATOR a product suited for the most extreme environmental conditions. The special silicon gasket and the IP65 degree guarantees an excellent seal against the entry of solid objects or liquids into the casings even after a long term installation.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	Rayons UV
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Resistant	Resistant	Not Resistant	Not Resistant	Not Resistant	Limited Resistance	Limited Resistance	Resistant

CABLE INLETS

Heavy duty engineering plastic insulated enclosure 2P, 3P, 3P+N

Size	Rated current (A)	Nr of poles	Enclosure dimensions	Cable entries		
				Top	Bottom	Rear
1	20-32-40	2-3-4	190x115x128	Top	-	Blank side (*)
				Bottom	-	Blank side (*)
				Rear	-	Blank side (*)

(*) Perforated or threaded entries on request.

TECHNICAL DATA SWITCH-DISCONNECTORS 2P,3P,3P+N

		20A	32A	40A		
Rated insulation voltage	Ui	VAC	690	690	690	
Rated impulse withstand voltage	Uimp	kV	4	4	4	
Thermal current	Ith/the	A	30	40	40	
Rated operational current – Ie	AC21A Resistive loads, including moderate overloads	415V	A	20	32	40
		500V	A	20	32	32
		690V	A	20	32	32
	AC22A Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40
		500V	A	20	32	32
		690V	A	20	32	32
	AC23A Switching of motor loads or other highly inductive loads (3 phase / 3 pole)	415V	A	20	32	35
		500V	A	20	25	25
		690V	A	20	25	25
	AC23A Rated operational power	415V	kW	9	15	18.5
		AC3	400V	A	-	28.5
	Rated short time withstand current – Icw (1s)	Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	690V	A	12	20
A			400	400	400	
Conditional short circuit current	Ipc	KAeff	10	10	10	
Associate fuse size for conditional short circuit current - Type gG	A	20	32	40		
Flexible wire	mm ²	1.5-10	1.5-10	1.5-10		
Rigid wire	mm ²	1.5-16	1.5-16	1.5-16		

This values are given for guidance and may vary according to the specifics provided by the motor manufacturer.

APPLICATION EXAMPLES

