

1371201/06/11



HSA3

A Complete System in Circuit Protection

MINIATURE CIRCUIT BREAKERS (10KA)
Circuit Protection Device



MINIATURE CIRCUIT

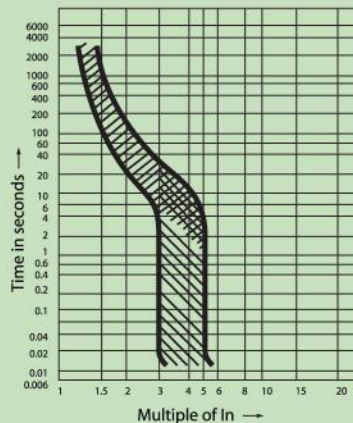
PRODUCT FEATURES

- Designed to withstand high rupturing capacity up to 10KA fault level at 240/415V AC.
- Built-in with thermal/magnetic mechanism for total protection against overloading and short circuit.
- ON/OFF indicator for SAFETY check.
- Type tested by Intertek Semko AB(Sweden) in compliance to IEC 60898 up to 10KA at 240/415V AC.
- MCB available in 1 Pole, 2 Pole, 3 Pole & 4 Pole up to 63 Amp rating.
- Compliance to Energy Limiting Class 3, up to 32 Amp rating.
- Different Coloured Handles for easier identification of Amp Ratings.

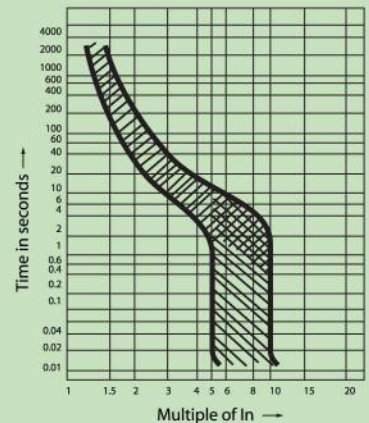


1 POLE

TYPE B TRIPPING CURRENT RANGE 3-5 I_N



TYPE C TRIPPING CURRENT RANGE 5-10 I_N



TRIPPING CHARACTERISTICS CURVE

Tripping Characteristic	Test Current			Electromagnetic Trips		
	Low Test Current	High Test Current	Tripping Time	Test Current		Tripping Time
				Hold Current	Trip At Least At	
Type B	1.13 I _n		>1h	3 I _n		>0.1s
		1.45 I _n	<1h		5 I _n	<0.1s
Type C	1.13 I _n		>1h	5 I _n		>0.1s
		1.45 I _n	<1h		10 I _n	<0.1s

BREAKERS (10KA) Circuit Protection Device



2 POLE

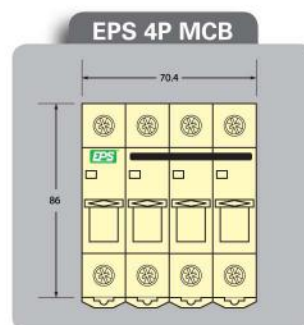
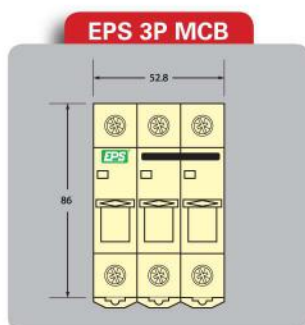
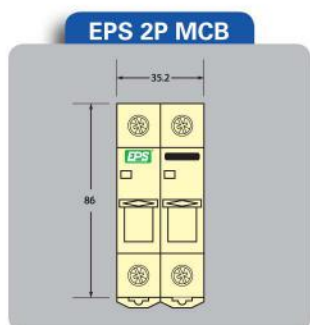
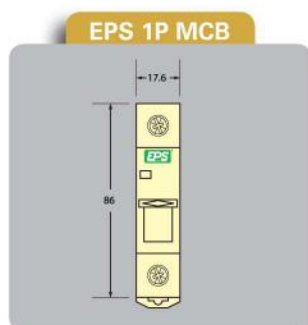
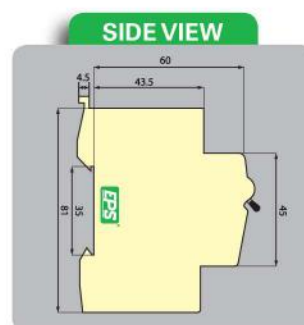
3 POLE

4 POLE

Model / Type Reference	Rating (AMP)	Pole	Type
HSA3	6A	1P/2P/3P/4P	B.C
HSA3	10A	1P/2P/3P/4P	B.C
HSA3	16A	1P/2P/3P/4P	B.C
HSA3	20A	1P/2P/3P/4P	B.C
HSA3	32A	1P/2P/3P/4P	B.C
HSA3	40A	1P/2P/3P/4P	B.C
HSA3	63A	1P/2P/3P/4P	B.C

TECHNICAL DATA

Specifications	IEC 60898
Tripping Curve	TYPE B, C
No. Of Pole	1, 2, 3, 4
Rated Current	6, 10, 16, 20, 32, 40, 63Amp
Rated Voltage	240 /415V AC
Frequency	50 / 60Hz
Breaking Capacity	10KA
Mounting	Snap-on fixing on 35mm x 7.5mm Din Rail
Reference Calibration Temperature	30°C
Connection	Lift terminals to use either wire; or comb-busbar.
Terminal Cross Section	25mm box type terminal



DEALER :

UTAMA

SWITCHGEAR SDN BHD

UTAMA SWITCHGEAR SDN BHD(416650-H)

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