

I0 SERIES

Stand Off Insulators

Octagonal Shape, SEP-Type Insulators

Features

- Octagonal shape for easy installation
- High dielectric strength
- Arc quenching and tracking
- Wear and corrosion resistant
- High quality finish and appearance
- High mechanical strength
- Dimensional stability
- Moulded-in brass insert
- Chemical and oil resistant



Materials & Finish

- Glass reinforced polyester:
 - SMC (*sheet moulding compound*)
 - BMC (*bulk moulding compound*) / DMC (*dough moulding compound*)

Part Number	Voltage Withstand	Varistor (Vn)	Height	Width	Insert	Tensile	Torque
I025EN-E	8.5 KV	1000 a.c	25 mm	22 mm	M6	227 kg	1.4 kg·m / 10 ft·lb
I030EN-E	11 KV	1200 a.c	30 mm	30 mm	M6	272 kg	1.4 kg·m / 15 ft·lb
I030FN-E	11 KV	1400 a.c	30 mm	30 mm	M8	272 kg	3.5 kg·m / 20 ft·lb
I035FN-E	12.5 KV	1400 a.c	35 mm	32 mm	M8	295 kg	3.5 kg·m / 25 ft·lb
I040FN-E	14 KV	1500 a.c	40 mm	41 mm	M8	363 kg	3.5 kg·m / 25 ft·lb
I045FN-E	15.5 KV	1800 a.c	45 mm	46 mm	M8	454 kg	3.5 kg·m / 25 ft·lb
I050FN-E	15.5 KV	2000 a.c	50 mm	36 mm	M8	409 kg	3.5 kg·m / 25 ft·lb
I038GN-E	12 KV	1400 a.c*	38 mm	40 mm	M10	318 kg	6.9 kg·m / 50 ft·lb
I040GN-E	14 KV	1600 a.c	40 mm	41 mm	M10	363 kg	6.9 kg·m / 50 ft·lb
I050GN-E	15.5 KV	Not Avail. (ATP)	50 mm	46 mm	M10	500 kg	6.9 kg·m / 85 ft·lb
I060GN-E	21 KV	Not Avail. (ATP)	60 mm	60 mm	M10	909 kg	6.9 kg·m / 50 ft·lb
I075GN-E	28 KV	Not Avail. (ATP)	75 mm	50 mm	M10	681 kg	6.9 kg·m / 50 ft·lb
I050HN-E	15.5 KV	Not Avail. (ATP)	50 mm	50 mm	M12	681 kg	11.8 kg·m / 85 ft·lb
I075HN-E	28 KV	Not Avail. (ATP)	75 mm	50 mm	M12	681 kg	11.8 kg·m / 85 ft·lb

Note:

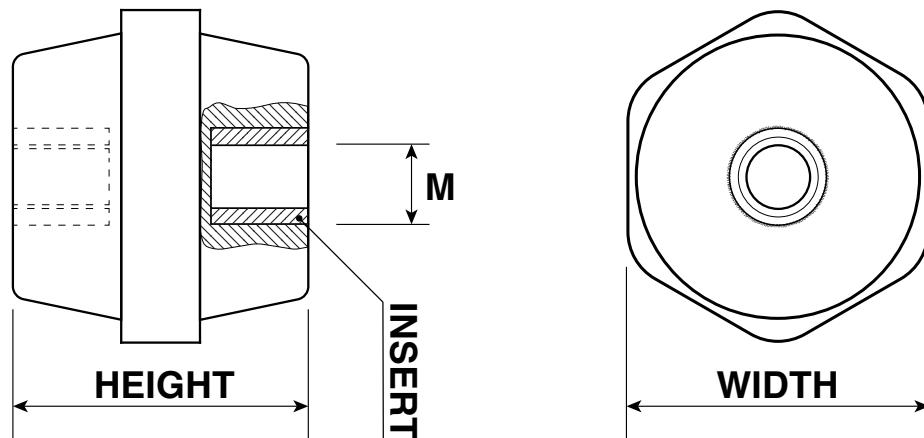
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Technical Drawing



Material Properties

Description	Values	Units	Specification
Operating voltage (AC)	600 ~ 3200	Volts (V)	SEP-Type Insulators
Operating Temperature	-40 ~ 140	°C	IEC
Glow-Wire Flammability	10 / 960	≤ 30 Sec / °C	IEC 60695-2-11
Flame Retardancy	10 / V0	≤ 10 Sec / Self Extinguishing	UL94 V0 (3mm)
Arc Resistance*	+ 180	Sec	ASTM D 495
Tracking Index*	+ 600	Volts	ATSM BS 5901
Dielectric Strength (SMC)*	12	KV / mm	ATSM D 149
Dielectric Strength (BMC/DMC)*	10	KV / mm	ATSM D 149
Flexural Strength (SMC)*	1,550	Kgf / Cm ²	ASTM D 790
Flexural Strength (BMC/DMC)*	900	Kgf / Cm ²	ASTM D 790

Note:

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