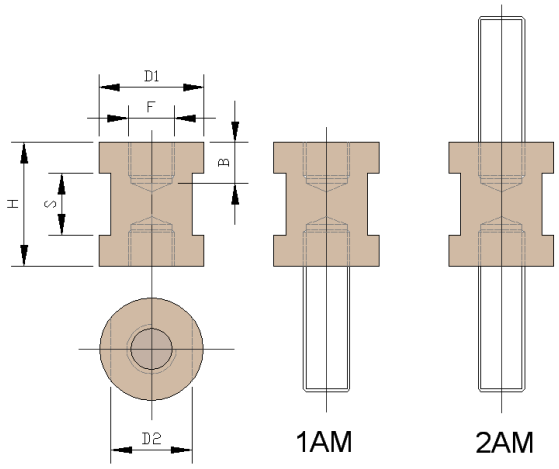
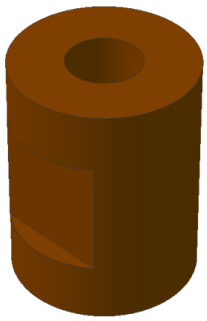
RGT Series

INSULATED SEPARATORS

ADVANCED TECHNICAL INFORMATION

DRAWINGS AND DIMENSIONS





AVAILABLE REFERENCES

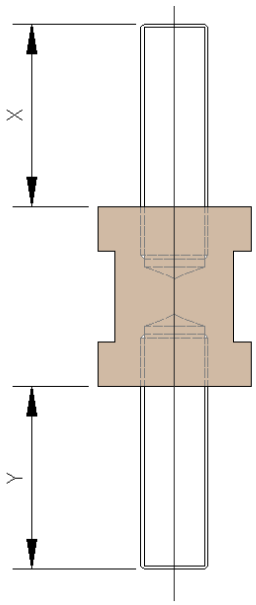
reference	F	H (mm)	D1 (mm)	D2 (mm)	S (mm)	B (mm)	Vnom (V)
RGT12	M5-M5	12	10	8	3	3	700

ORDER CODES

RGT12 M5 – xAMxx / xx

(1) (2) (3) (4) (5)

1 - General code for insulator series. (see available references table)
2 - Female connections metric thread size. (see available references table)
3 - Number of male threaded studs. 1AM single stud, 2AM for both.(optional)
4 - When 1AM or 2AM option, the length X (in mm) of studs.
5 - When option 2AM with different length studs, length Y (in mm) of the secon



Examples:

RGT12/R M5 : Insulator type RGT12/R with M5 connection drilled holes.

RGT12/R M5 – 2AM20 : Insulator type DB30/P with connection drilled holes of connections (M5) of the same length, 20 mm.

RGT12/R M5 – 2AM20/30 : Insulator type RGT12/R with M5 connection drilled connections (M5) one of them of 20 mm and the other of 30 mm.

140731 Rev.:0

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TECHNICAL CHARACTERISTICS (RYTON R-4XT)

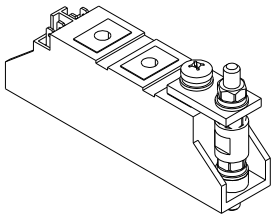
property	standard	value
Tensile elongation at break	ASTM D638	195 MPa
Elongation	ASTM D638	1.6%
Flexural strength	ASTM D790	270 MPa
Flexural modulus	ASTM D790	15 GPa
Compressive strength	ASTM D695	275 MPa
Temperature index UL	UL 746B	200/220 ºC
Flammability	UL 94	V-0 / 5VA
Thermal conductivity		0.30 W/mK
Dielectric strength	ASTM D149	20 kV/mm
Dielectric constant @ 25ºC		
1 kHz	ASTM D150	4.0
1 Mhz		3.9
Dissipation factor @ 25ºC		
1 kHz	ASTM D150	0.002
1 Mhz		0.004
Volume resistivity	ASTM D257	$1x10^{15}$ Ω/cm
Arc resistance	ASTM D495	125 s
Insulation resistance (90ºC, 95%RH, 48h)		$1x10^{11}$ Ω
Density	ASTM D792	1.65 g/cm^3
Water absortion	ASTM D570	0.05 %

TYPICAL APPLICATIONS

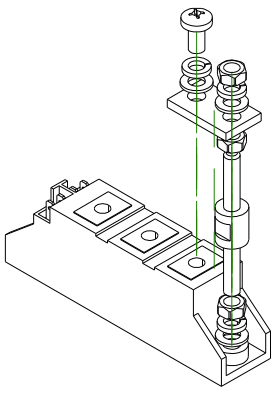
A typical application for this series of insulated separator is to work as a power terminal support for TO-240 modules (figure 1). For this application a RGT12 M5 25/30 is used along 3x M5 nuts DIN934, 2x M5 washers DIN125A and 2x M5 grower washers DIN7980, the assembly is as is shown in figure 1.

Another typical application is to use the insulated separator along a SOT-227B module (miniBLOC) as power terminal support as shown in figure 2. For this application a RGT12 M5 25/30 is used along 1x M5 nuts DIN934, 1x M5 washer DIN125A and 1x M5 grower washer DIN7980, the assembly is as is shown in figure 2.

Figure A: TO-240 module

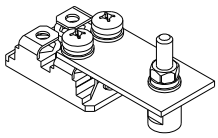


ASSEMBLED VIEW

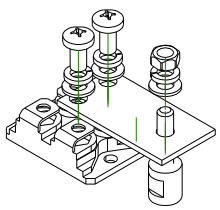


EXPLODED VIEW

Figure B: SOT-227B module (miniBLOC)



ASSEMBLED VIEW



EXPLODED VIEW

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