

TECHNICAL CHARACTERISTICS

Series of insulators designed to be used as supports or spacers of electrically active parts such as the bars used to create panels.

Made of polyamide resin with the addition of glass fibres, they guarantee a high mechanical and electrical resistance over time.

The material used is "halogen free" UL V0.

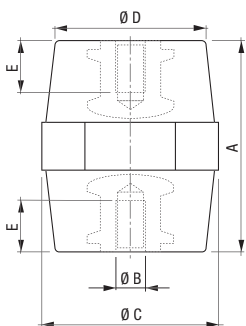
On both resting sides the insulators feature a brass or white iron zincate threaded female insert that, by means of different types of special headless screws, allows the coupling with the parts concerned, while the central part features a band for the fastening, depending on the model (octagonal or hexagonal).

- Colour: black
- Arc resistance: > 180 s - ASTM D-495
- Material: self-extinguishing in class V0 (1.6 mm) according to the UL-94 standard
- Operating temperature:
- 40 °C ÷ +130 °C
- Water absorption: < 0.2% - ASTM D-570
- Tracking resistance: 3 W/min - ASTM D-2302
- For the fastening please refer to the section "GV series accessories"
- Halogen free



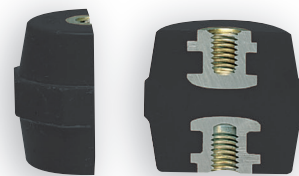
INSULATORS AND BUSBAR SUPPORTS

DIMENSIONS (mm)

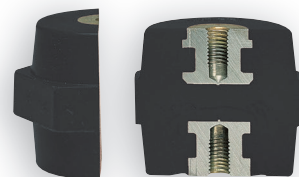


Variable dimensions according to the model.
See tables below.

Octagonal version



Hexagonal version



Load-bearing and spacer insulators SELECTABLE ELEMENTS

DP UL SERIES

Code	Model	Shape	Material*	Height (mm)			Width (mm)			Tensile strength (daN)	Compressive strength (daN)	Flexural strength (daN)	Rated voltage at 50Hz for 1 min (kV)	Min internal flashover voltage AC (kV)	Operating voltage DC / AC (V)
				(A)	(C)	(D)	(E)								
Inserto M3															
SA51130099	DP6012-03 UL	Hexagonal	PA	12	8	7,8	3	100	100	20	3	8	220		
Inserto M4															
SA51210099	DP8015-04 UL	Octagonal	PA	15	14	12	4	300	500	60	3	8	250		
SA51390099	DP6016-04 UL	Octagonal	PA	16	14	12	4	300	500	60	3	8	250		
SA51470099	DP6020-04 UL	Hexagonal	PA	20	17	15	5	360	600	80	5	15	400		
SA51700099	DP6026-04 UL	Hexagonal	PA	25,5	19	15	7	580	2300	200	8	25	600		
M5 insert															
SA51540099	DP6020-05 UL	Hexagonal	PA	20	17	15	5	360	600	80	5	15	400		
SA51960099	DP6026-05 UL	Hexagonal	PA	25,5	19	15	7	580	2300	200	8	25	600		
M6 insert															
SA51620099	DP6020-06 UL	Hexagonal	PA	20	17	15	5	360	600	80	5	15	400		
SA52040099	DP6026-06 UL	Hexagonal	PA	25,5	19	15	7	580	2300	200	8	25	600		
SA52120099	DP6030-06 UL	Hexagonal	PA	30	30	26	9	900	4900	450	10	30	750		
SA52460099	DP8035-06 UL	Octagonal	PA	35	41	34	11	1600	6800	550	10	40	750		
SA52530099	DP6035-06 UL	Hexagonal	PA	35	32	28	11	1700	6800	700	10	40	1000		
SA52950099	DP6036-06 UL	Hexagonal	PA	36	41	35	11	1200	8000	750	12	40	1000		
SA53290099	DP6040-06 UL	Hexagonal	PA	40	46	40	11	1300	8300	750	12	40	1000		
SA53600099	DP8045-06 UL	Octagonal	PA	45	41	34	15	1300	8300	750	12	40	1000		
SA54360099	DP6050-06 UL	Hexagonal	PA	50	36	29	15	1600	6800	750	12	40	1500		
SA55500099	DP6063-06 UL	Hexagonal	PA	63	41	31	15	1800	8300	550	20	50	1500		
M8 insert															
SA52200099	DP6030-08 UL	Hexagonal	PA	30	30	26	10	900	4900	450	10	30	750		
SA52610099	DP8035-08 UL	Octagonal	PA	35	41	34	11	1600	6800	550	10	40	750		
SA52790099	DP6035-08 UL	Hexagonal	PA	35	32	28	11	1700	6800	700	10	40	1000		
SA53030099	DP6036-08 UL	Hexagonal	PA	36	41	35	11	1200	8000	750	12	40	1000		
SA53370099	DP6040-08 UL	Hexagonal	PA	40	46	40	11	1300	8300	750	12	40	1000		
SA53780099	DP8045-08 UL	Octagonal	PA	45	41	34	15	1300	8300	750	12	40	1000		
SA53860099	DP8046-08 UL	Octagonal	PA	50	46	41	15	1300	8300	750	12	40	1000		
SA54020099	DP6046-08 UL	Hexagonal	PA	46	46	40	15	1300	9800	550	12	40	1500		
SA54440099	DP6050-08 UL	Hexagonal	PA	50	36	29	15	1600	6800	750	12	40	1500		
SA54690099	DP6051-08 UL	Hexagonal	PA	51	50	42	15	1600	9800	750	15	40	1500		
SA54930099	DP6055-08 UL	Hexagonal	PA	55	55	46	15	1600	11700	800	15	40	1500		
SA55270099	DP8060-08 UL	Octagonal	PA	60	55	46	15	2000	11700	800	15	40	1500		
SA55680099	DP6063-08 UL	Hexagonal	PA	63	41	31	15	1800	8300	550	20	50	1500		
SA57090099	DP6076-08 UL	Hexagonal	PA	76	50	36	15	3500	16600	1200	25	50	3600		

Ultimate strength tolerance ±10% 1 daN = 10 N

* PA= Polyamide / BMC= Mass Polyester

Code	Model	Shape	Material*	Height (mm)			Width (mm)			Tensile strength (daN)	Compressive strength (daN)	Flexural strength (daN)	Rated voltage at 50Hz for 1 min (kV)	Min internal flashover voltage AC (kV)	Operating voltage DC / AC (V)
				(A)	(C)	(D)	(E)								
M10 insert															
SA52870099	DP6035-10 UL	Hexagonal	PA	35	32	28	10	1700	6800	700	10	40	1000		
SA53110099	DP6036-10 UL	Hexagonal	PA	36	41	35	10	1200	8000	750	12	40	1000		
SA53450099	DP6040-10 UL	Hexagonal	PA	40	46	40	10	1300	8300	750	12	40	1000		
SA53940099	DP8045-10 UL	Octagonal	PA	45	50	41	15	1300	8300	750	12	40	1000		
SA54100099	DP6046-10 UL	Hexagonal	PA	46	46	40	15	1300	9800	550	12	40	1500		
SA54510099	DP6050-10 UL	Hexagonal	PA	50	36	29	15	1600	6800	750	12	40	1500		
SA54770099	DP6051-10 UL	Hexagonal	PA	51	50	42	15	1600	9800	750	15	40	1500		
SA55010099	DP6055-10 UL	Hexagonal	PA	55	55	46	15	1600	11700	800	15	40	1500		
SA55350099	DP8060-10 UL	Octagonal	PA	60	55	46	15	2000	11700	800	15	40	1500		
SA55760099	DP6063-10 UL	Hexagonal	PA	63	41	31	15	1800	8300	550	20	50	1500		
SA56180099	DP6070-10 UL	Hexagonal	PA	70	65	52	25	3000	16600	1200	23	50	2000		
SA57170099	DP6076-10 UL	Hexagonal	PA	76	50	36	25	3500	16600	1200	25	50	3600		
SA57330099	DP6080-10 UL	Hexagonal	PA	80	65	52	25	3500	16600	1300	25	50	3600		
M12 insert															
SA53520099	DP6040-12 UL	Hexagonal	PA	40	46	40	12	1300	8300	750	12	40	1000		
SA54280099	DP6046-12 UL	Hexagonal	PA	46	46	40	14	1300	9800	550	12	40	1500		
SA54850099	DP6051-12 UL	Hexagonal	PA	51	50	42	14	1600	9800	750	15	40	1500		
SA55190099	DP6055-12 UL	Hexagonal	PA	55	55	46	14	1600	11700	800	15	40	1500		
SA56260099	DP6070-12 UL	Hexagonal	PA	70	65	52	25	3000	16600	1200	23	50	2000		
SA57250099	DP6076-12 UL	Hexagonal	PA	76	50	36	25	3500	16600	1200	25	50	3600		
SA57410099	DP6080-12 UL	Hexagonal	PA	80	65	52	25	3500	16600	1300	25	50	3600		
SA57660099	DP8100-12 UL	Octagonal	PA	100	65	52	25	4000	16700	1300	30	50	3600		
SA57820099	DP8102-12 UL	Octagonal	PA	102	65	52	25	4000	16700	1300	30	50	3600		
M16 insert															
SA56340099	DP6070-16 UL	Hexagonal	PA	70	65	52	25	3000	16600	1200	23	50	2000		
SA57580099	DP6080-16 UL	Hexagonal	PA	80	65	52	25	3500	16600	1300	25	50	3600		
SA57740099	DP8100-16 UL	Octagonal	PA	100	65	52	25	4000	16700	1300	30	50	3600		
SA57900099	DP8102-16 UL	Octagonal	PA	102	65	52	25	4000	16700	1300	30	50	3600		

Ultimate strength tolerance ±10% 1 daN = 10 N

* PA= Polyamide / BMC= Mass Polyester