

### 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.

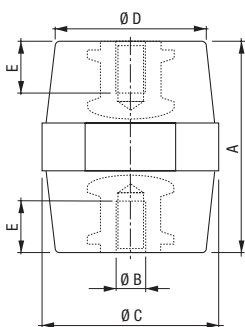
The material used is "halogen free" UL V0.

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



### DIMENSIONS (mm)



#### Octagonal version



#### Hexagonal version



# Load-bearing and spacer insulators SELECTABLE ELEMENTS

## DP UL SERIES

	Code	Model	Type	Tensile strength (daN)	Compressive strength (daN)	Flexural strength (daN)	Max rated voltage at 50Hz for 1 min (kV)	Min internal flashover voltage AC (kV)	Operating voltage DC / AC (V)	Height (mm)	Width (mm)		(E)
										(A)	(C)	(D)	(E)
<b>M3 insert</b>	SA51130099	DP6012-03	Hexagonal	100	100	20	3	8	220	12	8	7.8	3
<b>M4 insert</b>	SA51210099	DP8015-04	Octagonal	300	500	60	3	8	250	15	14	12	4
	SA51390099	DP6016-04	Hexagonal	300	500	60	3	8	250	16	14	12.5	12
	SA51470099	DP6020-04	Hexagonal	360	600	80	5	15	400	20	17	15	5
	SA51700099	DP6026-04	Hexagonal	580	2300	200	8	25	600	25.5	19	15	7
<b>M5 insert</b>	SA51540099	DP6020-05	Hexagonal	360	600	80	5	15	400	20	17	15	5
	SA51960099	DP6026-05	Hexagonal	580	2300	200	8	25	600	25.5	19	15	7
<b>M6 insert</b>	SA51620099	DP6020-06	Hexagonal	360	600	80	5	15	400	20	17	15	5
	SA52040099	DP6026-06	Hexagonal	580	2300	200	8	25	600	25.5	19	15	7
	SA52120099	DP6030-06	Hexagonal	900	4900	450	10	30	750	30	30	26	9
	SA52460099	DP8035-06	Octagonal	1600	6800	550	10	40	750	35	40	34	12
	SA52530099	DP6035-06	Hexagonal	1700	6800	700	10	40	1000	35	32	28	10
	SA52950099	DP6036-06	Hexagonal	1200	8000	750	12	40	1000	36	41	35	10
	SA53290099	DP6040-06	Hexagonal	1300	8300	750	12	40	1000	40	46	40	10
	SA53600099	DP8045-06	Octagonal	1300	8300	750	12	40	1000	45	41	34	15
	SA54360099	DP6050-06	Hexagonal	1600	6800	750	12	40	1500	50	36	29	15
	SA55500099	DP6063-06	Hexagonal	1800	8300	550	20	50	1500	63	41	31	15
<b>M8 insert</b>	SA52200099	DP6030-08	Hexagonal	900	4900	450	10	30	750	30	30	26	9
	SA52610099	DP8035-08	Octagonal	1600	6800	550	10	40	750	35	40	34	12
	SA52790099	DP6035-08	Hexagonal	1700	6800	700	10	40	1000	35	32	28	10
	SA53030099	DP6036-08	Hexagonal	1200	8000	750	12	40	1000	36	41	35	10
	SA53370099	DP6040-08	Hexagonal	1300	8300	750	12	40	1000	40	46	40	10
	SA53780099	DP8045-08	Octagonal	1300	8300	750	12	40	1000	45	41	34	15
	SA53860099	DP8046-08	Octagonal	1300	8300	750	12	40	1000	46	46	41	15
	SA54020099	DP6046-08	Hexagonal	1300	9800	550	12	40	1500	46	46	40	15
	SA54440099	DP6050-08	Hexagonal	1600	6800	750	12	40	1500	50	36	29	15
	SA54690099	DP6051-08	Hexagonal	1600	9800	750	15	40	1500	50	50	41	15
	SA54930099	DP6055-08	Hexagonal	1600	11700	800	15	40	1500	55	55	46	15
	SA55270099	DP8060-08	Octagonal	2000	11700	800	15	40	1500	60	55	46	15
	SA55680099	DP6063-08	Hexagonal	1800	8300	550	20	50	1500	63	41	31	15
	SA57090099	DP6076-08	Hexagonal	3500	16600	1200	25	50	3600	76	50	36	15

Ultimate strength tolerance ±10% 1 daN = 10 N

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

Ultimate strength tolerance ±10% 1 daN = 10 N