



D G N

Capacitor post insulator
Presence / absence voltage indicators

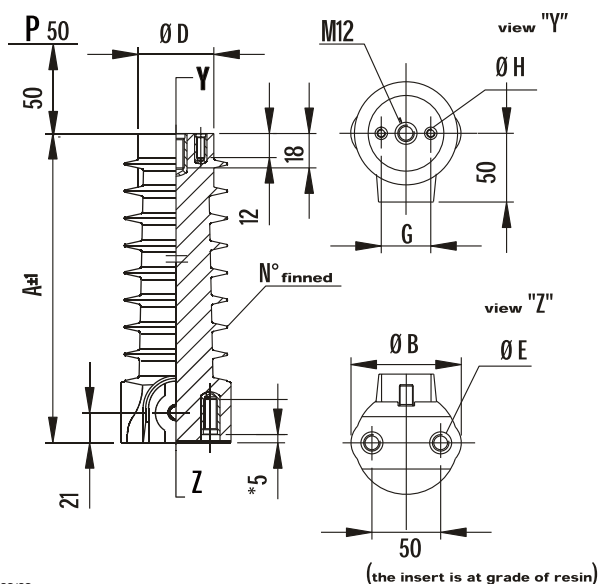
Our voltage capacitor device for presence / absence control in a conductor connected to a M.V. circuit (up to 36 kV) is composed of capacitor post insulators, present / absence voltage indicators with visual indication and voltage limiting device. They are indoor installation designed. Our bushing insulators range has been recently completed with capacitor post insulators type DGE ENEL homologated, respectively according to standardization table DJ1054.

Type of insulator	Rated voltage kV	Power frequency withstand voltage dry 50Hz x 60 sec.	Dry lightning impulse withstand voltage kV peak
DGnS / 12	12	28	75
DGnS / 24	24	50	125
DGnS / 36	36	70	170

Our capacitor post insulators are manufactured with high quality epoxy resin and are equipped with sheds increasing creepage distance and allowing installation of insulators also in polluted ambients. Standard production includes capacitor insulators equipped with terminal for signalling placed in the side part of fixing base. Our capacitor post insulators are designed with 3200N failing load bending. The insulators can be supplied with high capacity (~ 60 ÷ 100 pF) and low capacity (~ 20 pF).

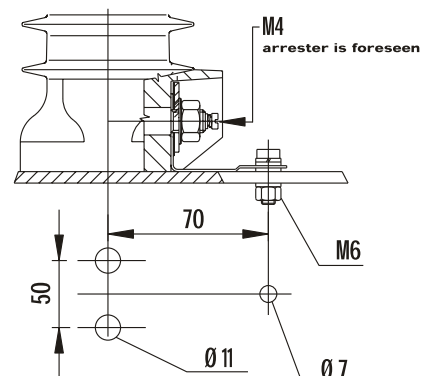
Type	Failing load Bending P ₅₀ N	Rated voltage kV	Dimensions mm							Creepage distance	Weight kg
			A	B	Ø D	Ø E	G	Ø H	N		
DGnS 12	3200	12	130	80	55	M10x26	36	M6x17,5	5	235	0.71
DGnS 24		24	225	80	55	M10x26	36	M6x17,5	9	390	1.25
DGnS 36		36	310	80	55	M10x26	36	M6x17,5	13	550	1.9

Capacitor post insulators DGnS



unit: mm

Surge arresters Side type VTS



unit: mm

Presence/absence voltage indicators with visual indication

They are designed in 2 different types :

Type SCL is without drawn out parts, the lamps are incorporated in the fixed part. It is suitable for capacitor insulators with high capacity.

Type SCZ is composed of a fixed part set up on the electric board and a drawn out part coupled to the fixed part. It is suitable for capacitor insulators with high capacity.

Voltage limiting devices

These devices limit overvoltage on the L.V. terminal of coupling capacitor causing the signalling terminal earthing. As they are directly connected to the insulator base, they avoid the overvoltage transfer to the connections and to the voltage indicator. In case of short circuit, they stand a 1000 A current for 0,5 sec.



Presence / absence voltage indicator
type SCL

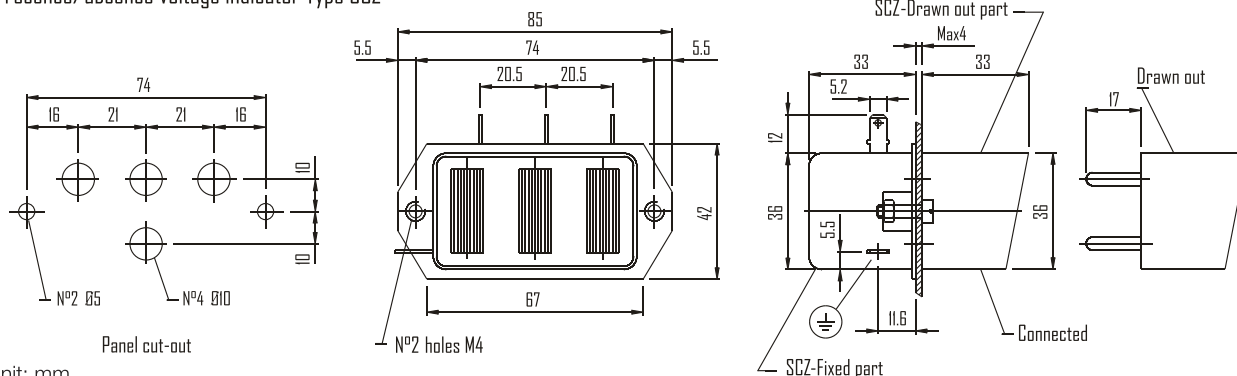


Presence/absence voltage indicator
with fixed and drawn out part type SCZ



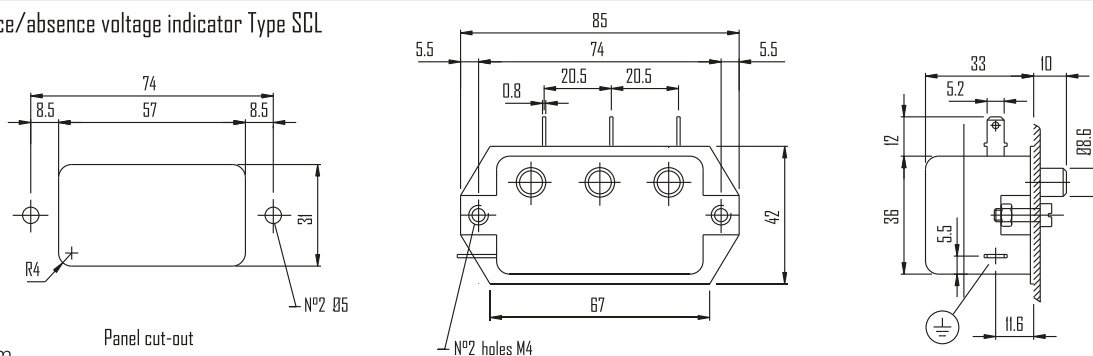
Surge arresters for capacitors
for insulators

Presence/absence voltage indicator Type SCZ



unit: mm

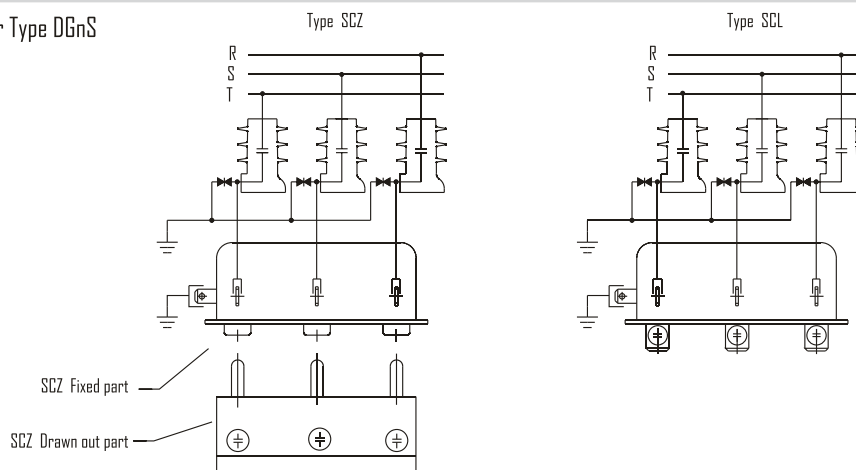
Presence/absence voltage indicator Type SCL



unit: mm

Voltage capacitor Type DGNs

Wiring diagram



unit: mm



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