

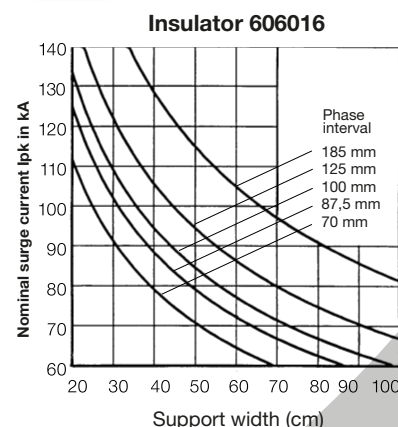
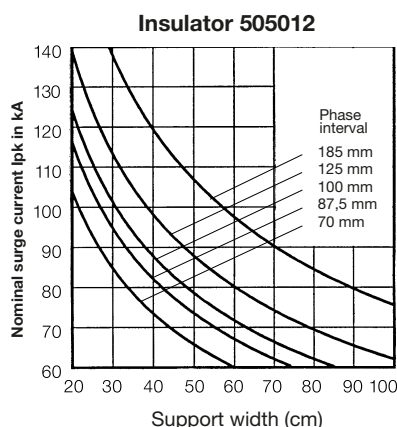
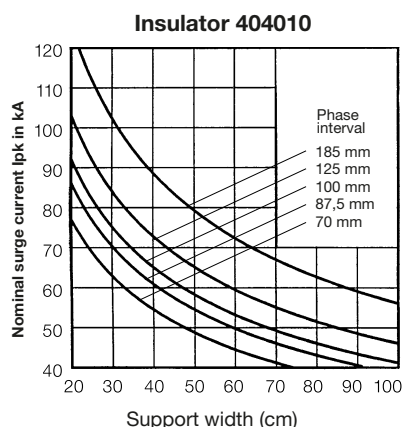
1-3kV

Pin-type insulators made of duroplast with spanner flats

Pin-type insulators made of fibreglass reinforced polyester resin (UPR) with spanner flats for interior switchgears
colour: brown



Type-tested in accordance with DIN EN 61439-1
(VDE 0660-600-1): 2012-06, EN 61439-1:2011



Raw material properties

- Fibreglass reinforced polyester resin (UPR)
- DIN - Typ 803 (self-extinguishing)
- Colour: brown or light grey (additional colours available on request)
- Temperature range: between -40 and +130 °C

Dimensional stability HDT-A	ISO 75	°C	>250
Gross density	ISO 1183	gr/cm ³	1,75
Fire behavior	UL 94	class	V0 at 3,2 mm
Surface resistance	IEC 60093	Ohm	10 ¹²
Special volume resistivity	IEC 60093	Ohm cm	10 ¹⁴
Dielectric strength (1 mm)	IEC 60243	kV/mm	20
Creep resistance	IEC 60112	CTI	600

(additional data available on request)

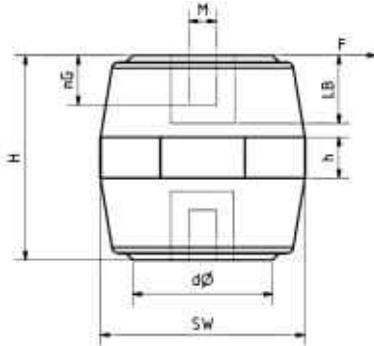
The data given are subject to certain tolerances affected by manufacturing processes as well as the inserted pre-products. That is why these figures are average values, i.e. non-binding standard values which cannot be used to derive a guarantee claim from. We reserve the right to make changes!

1-3kV

Pin-type insulators made of duroplast with spanner flats



Fittings: blind hole nuts, steel, galvanized
On request: Brass nuts or steel bolts, galvanized



Abbreviations:

- H = Height
- SW = Spanner width
- M = Thread (metric)
- LB = Length of bushing
- nG = Usable thread depth
- d = Diameter at pedestal
- h = Height of spanner width
- F = Breaking force in kN
- Md = Torque
- Z = Traction
- D = Pressure
- BWS = Operational alternating current
- PWS = Test alternating current

H mm	SW mm	M mm	LB mm	nG mm	d mm	h mm	F kN	Md Nm	Z kN	D kN	BWS kV	PWS kV	Article number
18	15*	4	7	4,5	11	*	1,0	3,3	2	12	1,0	5,0	181504
20	20	5	8	5,5	14	5	1,3	5	3	20	1,0	5,0	202005
25	25	5	8	5,5	16	6	1,5	15	3	20	1,0	10,0	252505
25	25	6	10	8	16	6	1,5	15	5	35	1,0	10,0	252506
30	30	6	10	8	20	6	2,5	20	6	45	1,0	15,0	303006
30	30	6/8	10/12,5	8/10	20	6	2,5	20	6	45	1,0	15,0	303001
30	30	8	12,5	10	20	6	3,0	40	12	60	1,0	15,0	303008
30	30	10	14	11	20	6	4,0	50	12	60	1,0	15,0	303010
35	30	6	10	8	20	6	2,0	20	6	45	1,0	15,0	353006
35	30	8	12,5	10	20	6	3,5	40	12	60	1,0	15,0	353008
35	30	8/10	12,5/14	10/11	20	6	3,5	40	12	60	1,0	15,0	353009
35	30	10	14	11	20	6	4,0	50	16	75	1,0	15,0	353010
35	40	8	12,5	10	28	8	4,0	40	14	70	1,0	15,0	354008
35	40	10	14	11	28	8	4,5	50	16	80	1,0	15,0	354010
40	30	6	10	8	20	6	1,5	20	6	45	2,0	20,0	403006
40	30	8	12,5	10	20	6	3,0	40	12	60	2,0	20,0	403008
40	30	10	14	11	20	6	3,0	50	12	60	2,0	20,0	403010
40	30	8/12	12,5/17	10/12,5	20	6	3,0	40	12	60	2,0	20,0	403011
40	40	8	12,5	10	28	8	5,0	50	14	90	2,0	20,0	404008
40	40	8/10	12,5/17	10/14	28	8	5,0	50	14	90	2,0	20,0	404001
40	40	8/12	12,5/17	10/12,5	28	8	5,0	50	14	90	2,0	20,0	404002
40	40	10	17	14	28	8	8,0	90	20	100	2,0	20,0	404010
40	40	12	17	12,5	28	8	9,0	100	22	120	2,0	20,0	404012
40	50	8	12,5	10	32	8	5,0	70	14	140	2,0	20,0	405008
40	50	10	17	14	32	8	12,5	120	23	140	2,0	20,0	405010
40	50	10/12	17/17	14/12,5	32	8	12,5	120	23	140	2,0	20,0	405002
40	50	12	21	18	32	8	12,5	200	28	180	2,0	20,0	405012
50	40	8	12,5	10	28	10	5,0	50	14	90	3,0	25,0	504008
50	40	10	17	14	28	10	5,0	90	20	100	3,0	25,0	504010
50	40	12	21	18	28	10	6,0	100	22	120	3,0	25,0	504012
50	50	8	12,5	10	32	10	4,5	70	14	120	3,0	25,0	505008
50	50	10	17	14	32	10	10,0	120	23	140	3,0	25,0	505010
50	50	12	21	18	32	10	10,0	180	28	180	3,0	25,0	505012
50	50	16	21	16	32	10	10,0	180	28	180	3,0	25,0	505016
60	40	8	12,5	10	28	8	4,0	50	14	90	3,0	25,0	604008
60	40	10	17	14	28	8	6,0	90	20	100	3,0	25,0	604010
60	40	12	21	18	28	8	6,0	120	20	100	3,0	25,0	604012
60	50	10	17	14	32	10	9,0	120	23	140	3,0	25,0	605010
60	50	12	21	18	32	10	11,0	200	28	180	3,0	25,0	605012
60	60	12	21	18	40	12	12,0	200	28	220	3,0	25,0	606012
60	60	16	25	21	40	12	15,0	300	32	240	3,0	25,0	606016
60	60	16/20	25/27	21/22	40	12	15,0	300	32	240	3,0	25,0	606020
60	60	20	27	22	40	12	16,0	300	37	240	3,0	25,0	606021
80	60	10	17	14	40	12	11,0	200	32	220	3,0	25,0	806010
80	60	12	21	18	40	12	15,0	300	37	240	3,0	25,0	806012
80	60	16	25	21	40	12	15,0	300	37	240	3,0	25,0	806016

*= no spanner flat - diameter 15 mm