

Isolatori Distanziatori DB/P

Prodotti tramite stampaggio a compressione e realizzati solo in massa poliestere rinforzata con fibra di vetro BMC RF 3/20 certificata UL e classificata HL2 secondo la EN 45545-2.

Su richiesta possiamo fornire gli isolatori con:

- > Inserti femmina in **inox**
- > Inserti femmina in **pollici**
- > Uno o due attacchi maschio "AM" montati e bloccati

Standoff Insulators DB/P

Manufactured by compression molding and made only in polyester material reinforced with fiberglass BMC RF 3/20 UL certified and classified HL2 according to EN 45545-2.

On request we can supply the insulators with:

- > Female inserts made of **stainless steel**
- > Female inserts in **inches sizes**
- > One or two male connections type "AM" set and locked



I nostri prodotti sono certificati UL:
Our products are UL certified:
File Nr. E502533 - File Nr. E502534



I nostri prodotti sono conformi alle seguenti direttive Europee:
Our products are in conformity with the European standards:
Direttiva Bassa Tensione (Low Voltage Directive) 2014/35/EU
Regolamento REACH (EC Regulation) Nr. 1907/2006
Direttiva RoHS (Council Directive) 2011/65/CE



100%
100% prodotto Italiano
100% Italian product

Articolo Item	F	E (mm)	Valore di serraggio Tightening torque	H (mm)	D1 (mm)	D2 (mm)	Tensione di esercizio Operating voltage	Conf. Pack.	Peso Weight (Kg)
DB 12/P	M 3	3	1 Nm	12	10	11	220 V	1.400	4,00
	M 4	3	2 Nm						
DB 16/P	M 3	4	2 Nm	16	13	14	380 V	700	4,00
	M 4	4	4 Nm						
DB 20/P	M 4	6	4 Nm	20	15	17	500 V	400	4,30
	M 5	6	5 Nm						
	M 6	5	8 Nm						
DB 25/P	M 5	7	6 Nm	25,2	15	19	600 V	250	3,40
	M 6	6	8 Nm						
DB 30/P	M 6	8	12 Nm	30	26	30	600 V	80	3,50
	M 8	8	16 Nm						
DB 34/P	M 6	10	12 Nm	35	28	32	1000 V	64	4,70
	M 8	10	18 Nm						
	M 10	10	24 Nm						
DB 35/P	M 6	10	12 Nm	35,5	35	41	1000 V	36	3,60
	M 8	10	20 Nm						
	M 10	10	26 Nm						
DB 40/P	M 6	13	10 Nm	40	40	46	1000 V	24	3,60
	M 8	13	20 Nm						
	M 10	12	24 Nm						
	M 12	12	36 Nm						
DB 45/P	M 6	12	14 Nm	45	35	41	1500 V	27	3,30
	M 8	12	22 Nm						
	M 10	14	28 Nm						
	M 12	12	36 Nm						
DB 50/P	M 6	12	10 Nm	51	29	36	2000 V	36	3,90
	M 8	12	22 Nm						
	M 10	13	26 Nm						
	M 12	12	36 Nm						
DB 60/P	M 8	14	22 Nm	60	46	55	2000 V	12	3,20
	M 10	16	26 Nm						
	M 12	17	36 Nm						
DB 65/P	M 6	17	12 Nm	63,5	35	41	3000 V	22	3,70
	M 8	16	22 Nm						
	M 10	16	26 Nm						
	M 12	17	36 Nm						
DB 70/P	M 10	16	26 Nm	70	52	65	4000 V	8	3,00
	M 12	16	36 Nm						
	M 16	23	50 Nm						
DB 75/P	M 8	17	22 Nm	76	36	50	5000 V	12	3,00
	M 10	16	26 Nm						
	M 12	17	36 Nm						
DB 750/P	M 8	19	22 Nm	75	52	65	5000 V	8	3,50
	M 10	20	26 Nm						
	M 12	20	36 Nm						
	M 16	21	50 Nm						
DB 100/P	M 10	20	26 Nm	101	52	65	8000 V	4	2,30
	M 12	19	36 Nm						
	M 16	23	50 Nm						

Articolo Item	Tensione di scarica superficiale C.A. A.C. surface flashover voltage (KV)	Tensione di scarica interna C.A. A.C. internal flashover voltage (KV)	Sollecitazione a trazione Tensile stress (DN)	Sollecitazione a flessione Cantilever stress (DN)	Sollecitazione a compressione Compressive stress (DN)	Sollecitazione a torsione Twisting stress (DN x mm)
DB 16/P	3	8	100	50	500	0,4
DB 20/P	4	15	150	60	600	0,4
DB 25/P	7	20	300	180	2.100	3
DB 30/P	8	23	500	250	4.400	3
DB 34/P	10	30	800	450	6.500	5
DB 35/P	10	30	1.100	800	8.000	9
DB 40/P	10	40	1.100	800	8.300	10
DB 45/P	12	40	1.200	800	8.000	10
DB 50/P	12	40	850	450	6.800	6
DB 60/P	15	40	1.500	800	11.700	10
DB 65/P	15	40	1.500	700	8.300	6
DB 70/P	23	50	2.450	950	16.600	10
DB 75/P	25	50	2.300	900	10.000	10
DB 750/P	25	50	2.800	1.500	15.000	13
DB 100/P	30	50	2.950	1.550	16.700	14,5

Temperatura di esercizio / *Operating temperature*: -40° C + 130° C

Carichi di rottura / *Breaking charges*: Tolleranza / *Allowance* ± 10%

Reazione al fuoco / *Fire reaction*: Class UL94-V0 and HL2 for requirements R7 and R22/23 of EN45545-2



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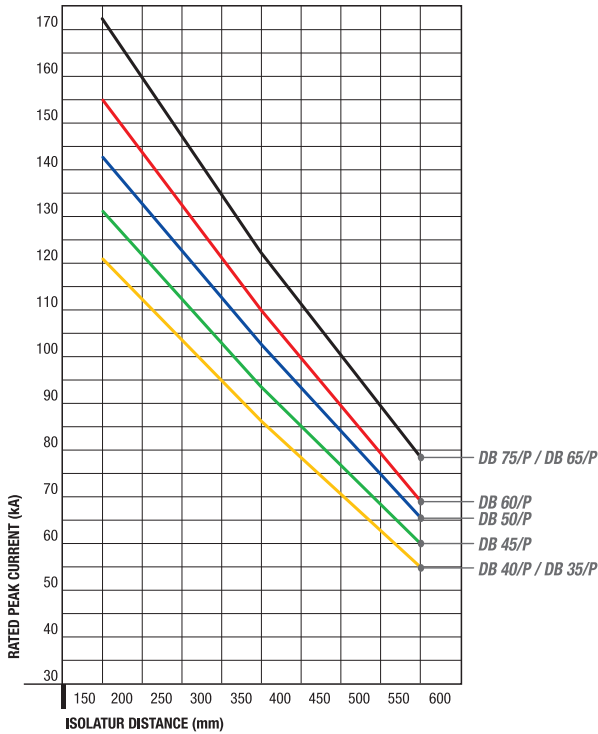


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Short-circuiting resistance of the isolators Type DB/P

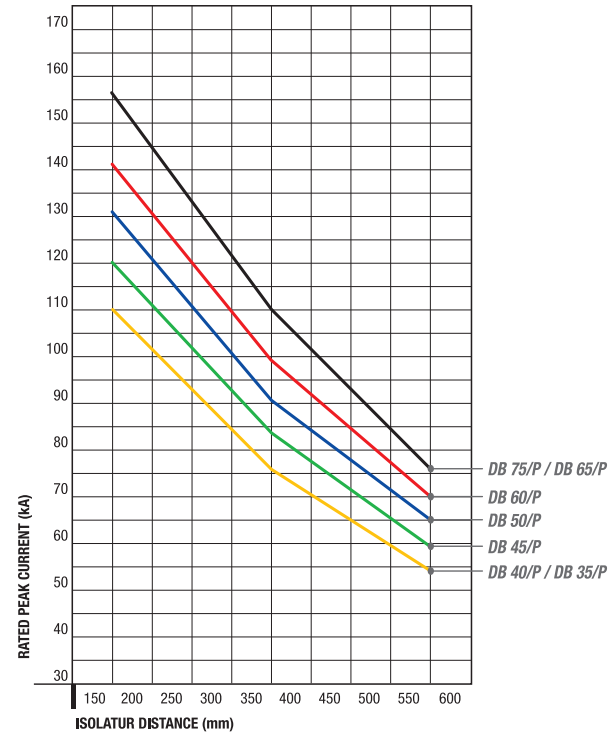
TAB. 1 SHORT-CIRCUITING RESISTANCE / ISOLATOR DISTANCE

Isolator Type: DB 35/P to DB 75/P - M8/M10/M12
Bus bar system Cu 1 x 60 mm x 10 mm / Distance between phases = 185 mm



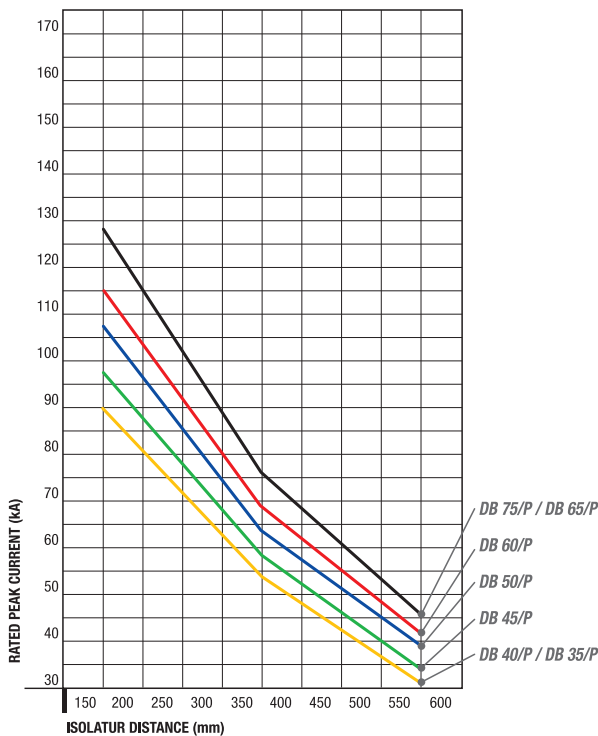
TAB. 2 SHORT-CIRCUITING RESISTANCE / ISOLATOR DISTANCE

Isolator Type: DB 35/P to DB 75/P - M8/M10/M12
Bus bar system Cu 1 x 80 mm x 10 mm / Distance between phases = 185 mm



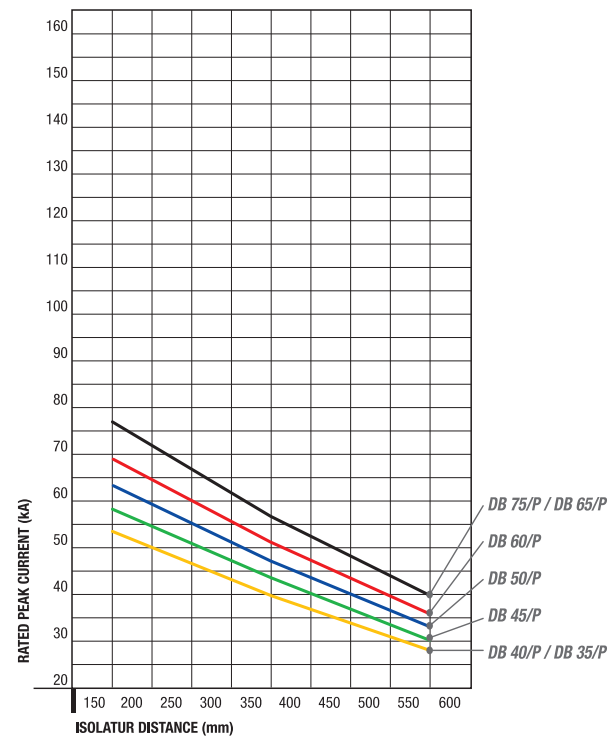
TAB. 3 SHORT-CIRCUITING RESISTANCE / ISOLATOR DISTANCE

Isolator Type: DB 35/P to DB 75/P - M8/M10/M12
Bus bar system Cu 1 x 30 mm x 10 mm / Distance between phases = 100 mm




TAB. 4 SHORT-CIRCUITING RESISTANCE / ISOLATOR DISTANCE

Isolator Type: DB 35/P to DB 75/P - M8/M10/M12
Bus bar system Cu 1 x 40 mm x 10 mm / Distance between phases = 60 mm



TEST PER RESISTENZA AL CORTOCIRCUITO EN 61439-2

SHORT-CIRCUITING RESISTANCE EN 61439-2

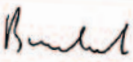


Independent, accredited testing station · Member laboratory of STL and LOVAG

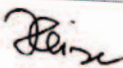
TEST REPORT

NO. 1469.2101265.0692


MBS AG Eisbachstraße 51 74429 Sulzbach-Laufen GERMANY	CLIENT	
Busbar systems: ERIM SRL, Novate Milanese Distance insulators: MBS AG	MANUFACTURER	
Busbar systems for low-voltage switchgear assemblies with distance insulators	TEST OBJECT	
DB/P 50 with M10 & M12 threads	TYPE:	
Test sample	SERIAL NO.	
Rated operational voltage	U_e 400 V	RATED CHARACTERISTICS GIVEN BY THE CLIENT
Rated insulation voltage	U_i 1000 V	
Rated peak withstand current	I_{pk} 63 kA	
30 mm x 10 mm up to	I_{pk} 106 kA	
40 mm x 10 mm up to	I_{pk} 132 kA	
60 mm x 10 mm up to	I_{pk} 144 kA	
80 mm x 10 mm up to	f 50 Hz	
Rated frequency		
IEC 61439-2: 2009-01, EN 61439-2: 2009-11	NORMATIVE DOCUMENT	
Verification of dynamic short-circuit withstand strength	RANGE OF TESTS PERFORMED	
12 to 14 October 2010	DATE OF TEST	
See Sub-clause 4.6	TEST RESULT	




RONALD BORCHERT
Senior engineer
Berlin, 25 November 2010



MICHAEL HEISE
Test engineer in charge



Independent test laboratory, accredited by Deutsche Akkreditierungsstelle Technik (DATech) e.V. in the fields of hv apparatus and switchgear, power cables and power cable accessories, hv apparatus and switchgear installation equipment and switching and control equipment
Institut „Profifield für elektrische Hochleistungstechnik“ GmbH (IPH Berlin) is a subsidiary of CESI SpA Milan


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