

جبال

الکترو جبال ایرانیان کویر

تولید کننده مقره های فشار ضعیف و متوسط
تابلویی و عایق های الکتریکی

JEBAL

ELECTRO JEBAL IRANIAN KAVIR

الکترو جبال ایرانیان کویر

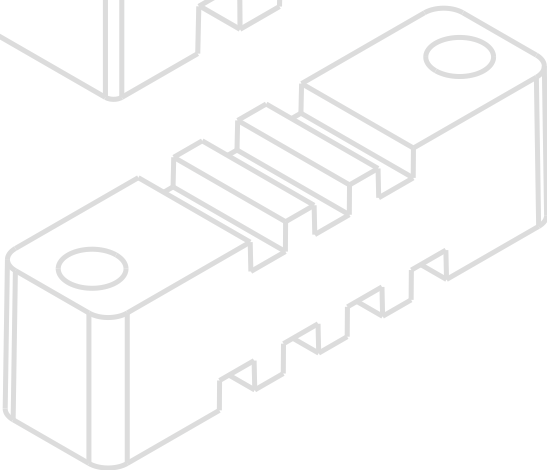
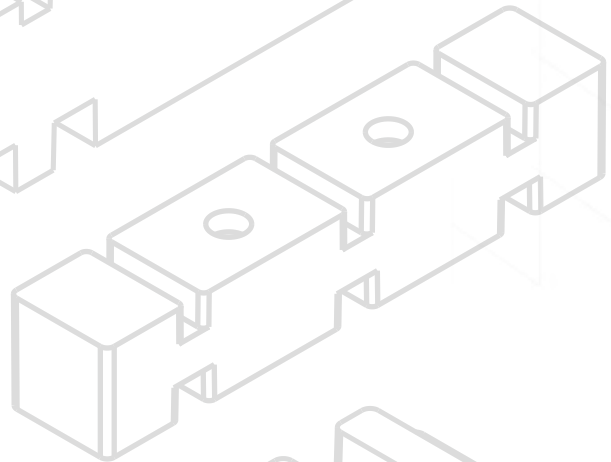
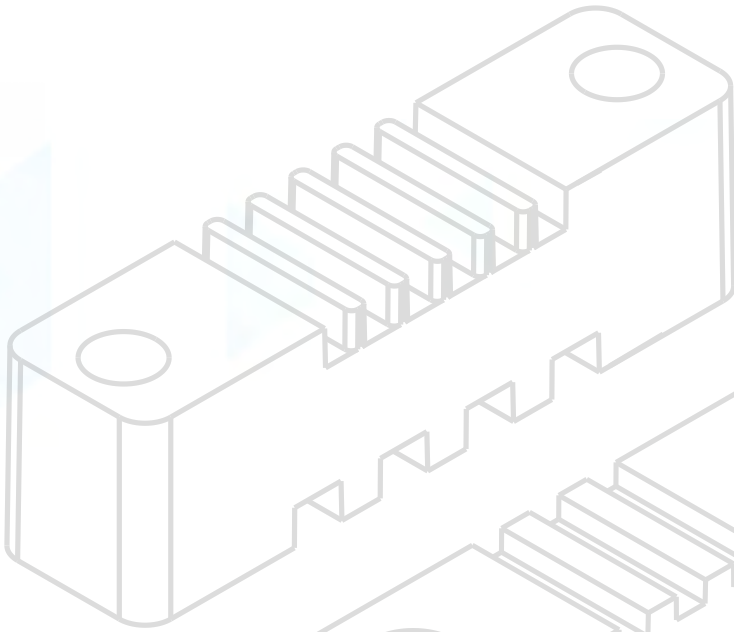
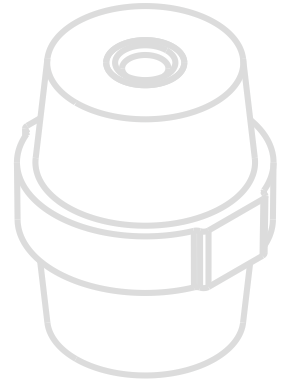
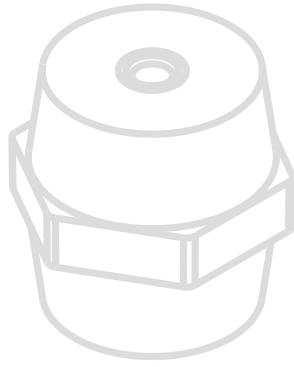
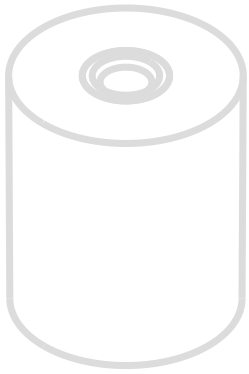


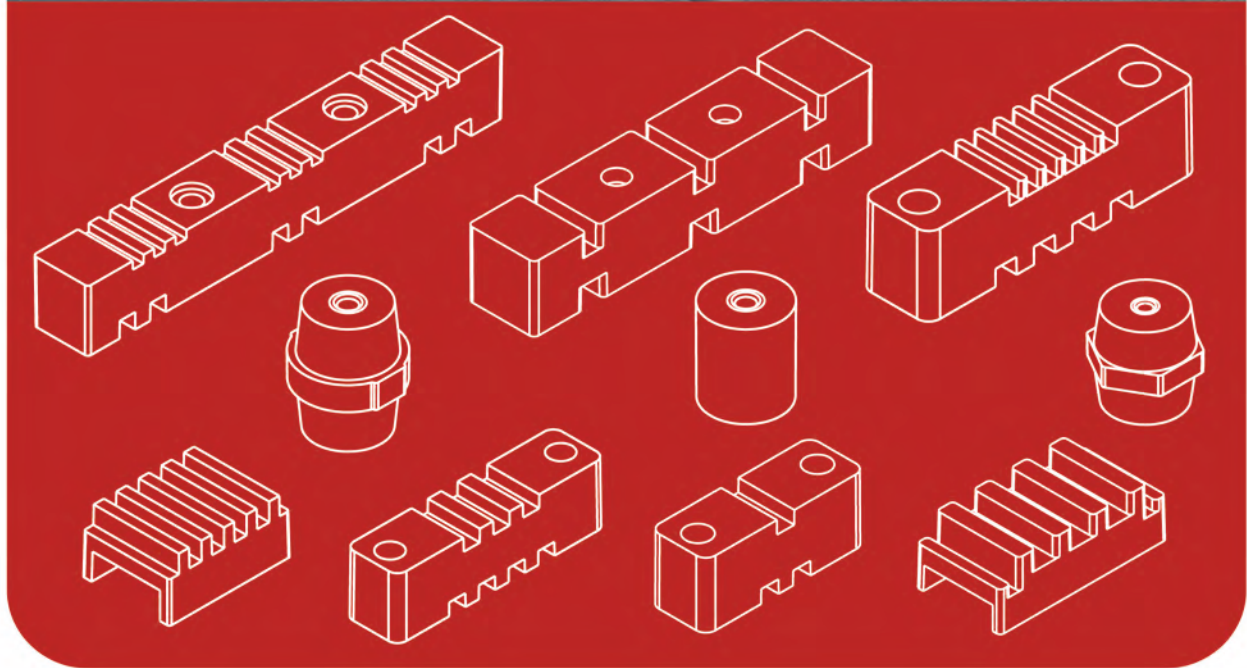
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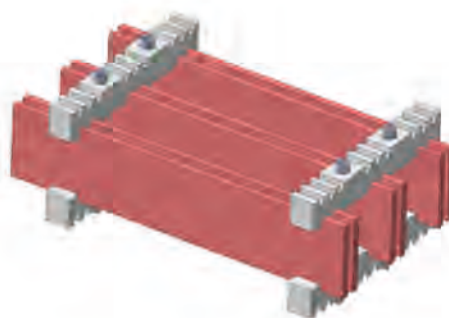
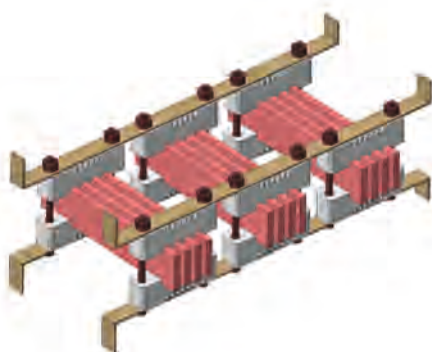
Company Profile

شرکت الکترو جبال ایرانیان کویر با نام تجاری JEBAL مفتخر است با بهره گیری از تجربیات ارزشمند و موفق 15 سال گذشته و با در اختیار داشتن شبکه توزیع و فروش در اکثر نقاط کشور و تیم با تجربه و مجرب و با رعایت استاندارد های IEC60660، IEC60273 و استاندارد های کیفی با شتابی بیشتر از گذشته جایگاه خود را در حوزه تولید مقره های MV و LV و قطعات عایقی ارتقا دهد. در همین راستا با هدف ارائه خدمات فروش متناسب با نیاز مشتریان اقدام به معرفی و ارائه محصولات ممتاز و با کیفیت نموده است.

محصولات تولیدی این شرکت شامل :

1. مقره های فشار ضعیف و فشار متوسط با استفاده از مواد SMC و BMC.
2. پاس بار ساپورت های تابلویی با استفاده از مواد SMC.
3. قطعات مختلف عایقی با استفاده از مواد رزین پلی استر، SMC و BMC.

شایان ذکر است محصولات تولیدی این شرکت دارای دو سال گارانتی می باشد.



Electro jebal Iranian kavir(Trade name,Jebal) is greatly honoured to have been developed more and more in the fields of production of MV, LV insulators and insulated parts. This could not be achieved without the valuable and successful experiences of the past fifteen years, providing distribution and selling network in most parts of the country, experienced selling team, and observing IEC60732, IEC60660 and quality standards - consequently we have managed to manufacture hi-tech products with best qualities, with the aim of providing selling services according to customers needs.

Our products:

1. low voltage and medium voltage insulators by the use of SMC
 2. Busbar supports using SMC
 3. Different insulated parts using resin materials of polyester SMC and BMC.
- It's worth mentioning that all our products come with a two -year guarantee.

Product View



Product View



ترکیبات (BMC (Bulk Moulding Compound

مواد BMC یک آمیزه پلیمری تقویت شده با الیاف شیشه و مواد معدنی بر پایه های رزین ترموست میباشند که تحت فشار و حرارت سخت میگردد. مواد اولیه ساخت این محصول رزین پلی استر غیر اشباع می باشد به شکل خمیر فشرده با استفاده از قالبگیری فشاری قابلیت تبدیل شدن به طیف وسیعی از محصولات را دارد و در حالت پلیمری از یک رزین گرما سخت مثل پلی استر اشباع نشده و یا ونیل استر به شکل تک مولکولی با ساختار بزرگ در می آیند.

مواد خام اصلی آن GF (فیبر شیشه ای خرد شده)، UP (رزین نامنظم)، MP (پرکننده) و انواع افزودنی ها با یک توده پیش پراگ مخلوط شده است.

اتصال عرضی پیوند بین زنجیره مولکولی شاخصهای تولید را بالا برده و دلیل عملکرد ممتاز BMC در مقایسه با سایر پلیمر هاست.

خواص سودمند این آمیزه بی نظیر همانند: عایق الکتریکی، مقاومت حرارتی، حفاظت در برابر آتش و طراحی آزاد، راه حل های اقتصادی برای قطعات الکتریکی مهیا شده است.

BMC تبدیل به یک انتخاب مناسب برای مصارف فشار ضعیف و متوسط که سالانه در سرتاسر دنیا تولید می شود و توزیع موثر برق را عهده دار است و از سوی دیگر مصرف کننده را در مقابل اثرات اتصال کوتاه حفاظت مینماید. از جمله قطعات تولیدی BMC می توان به محصولات زیر اشاره نمود:

قاب چراغی خیابانی و خودرو

پایه فیوز



انواع مقره فشار ضعیف و متوسط

قطعات عایق کلید فیوز و کلید اتوماتیک

BMC (bulk Moulding Compound) is a polymer component reinforced with fiberglass and mineral on the basis of thermoset that is hardened under pressure and heat. The raw material in making this product is unsaturated polyester resin in pressed dough and can be charged into a vast range of products by the help of compression moulding.

Furthermore, in polymer component, BMC material changes from a thermosetting resin like unsaturated polyester or vinylester into .

The main raw material of BMC consists of Gf (ground fiberglass), UP (unsaturated polyester), MP and various types of ingredients.

The cross-linked bond between molecule chain enhances production characteristics and is the main reason for excellent functions of BMC in comparison to other polymers.

Significant features of this component such as electrical insulation, thermal resistance, fire protection and design freedom are economic solutions for electrical equipment.

BMC has become a suitable choice for low and medium voltage applications produced all over the world every day. They provide efficient power distribution and protect end users against effects of short circuits for other BMC products, see below.

Low voltage and medium voltage insulator

Insulated parts of moulded case circuit breaker (MCCB)

lamphousing and car head lamp

fuse basis

ترکیبات (SMC (shett moulding compound)

مواد SMC ترکیب الیاف تقویت شده کلامپوزیتی است که جایگزین بسیار مناسب فلزات از لحاظ استحکام فیزیکی بالا، مقاومت عالی در برابر ضربه و حرارت، ضریب انبساطی حرارتی یکسان با فلز و ظاهر کاملاً صاف و براق علیرغم وزن کمتر میباشد. در حالت اولیه شامل رزین حرارتی، الیاف شیشه و مواد پرکننده میباشد. سایر مواد همانند افزودنیها، سخت کننده ها و عناصر جداسازی مواد از قالب سبب افزایش عملکرد و یا پیشرفت مراحل ساخت مواد میگردد.

برای تامین بازدهی مشخص و درخواست های کاربردی مثل بازدارندگی آتش، کشش در مقابل بار و یاجلای سطحی کلاس A مواد BMC/SMC را می توان با فرمول های متفاوتی تولید کرد. به منظور انطباق خواسته های لازم از ماده ی قالب گیری شده می توان در دستور العمل ساخت از مواد و ترکیبات گوناگونی استفاده کرد. برای مثال در مواد SMC الیاف شیشه با طول 12 تا 50 میلیمتر بریده می شوند.

معمولاً جایگزینی این مقادیر با توجه به عملکرد و قابلیت پردازش در مقابل قیمت تعیین می گردد. دارا بودن طیف وسیعی از خواص فیزیکی و شیمیایی دلخواه سبب گسترش استفاده از این محصول در صنایع مختلف از جمله:

بدنه سویچ های الکتریکی

قاب چراغ خیابانی مواد

باس بارساپورت عایق

بدنه تابلوها وجعبه انشعاب



SMC (Sheet moulding compound) is a reinforced composite fiber material. Because of the high physical strength, excellent resistance to shock and heat, equal coefficient expansion to metals and completely smooth and shiny appearance, despite the lower weight, SMC is an appropriate substitution for metals. It primarily consists of a thermo setting resin, fiberglass and filling materials other materials such as ingredients, hardeners, and mould release substances are used to enhance the performance and progress in the process.

To meet specific performance requirements of a particular application, such as fire retardancy, tensile loading, or class A surface finish, SMC can be produced by various formulas. The recipe can be formulated using different materials and combinations so as to match the necessary requirements of the moulded part.

In SMC, for example, the fiberglass is chopped into lengths from 12mm to 50mm. Trade-off is usually performance and process ability verses cost.

Having a vast range of necessary physical and chemical properties has made SMC a predominant.

Basbar support insulators

Terminal box and electrical cabinets

switch bodies

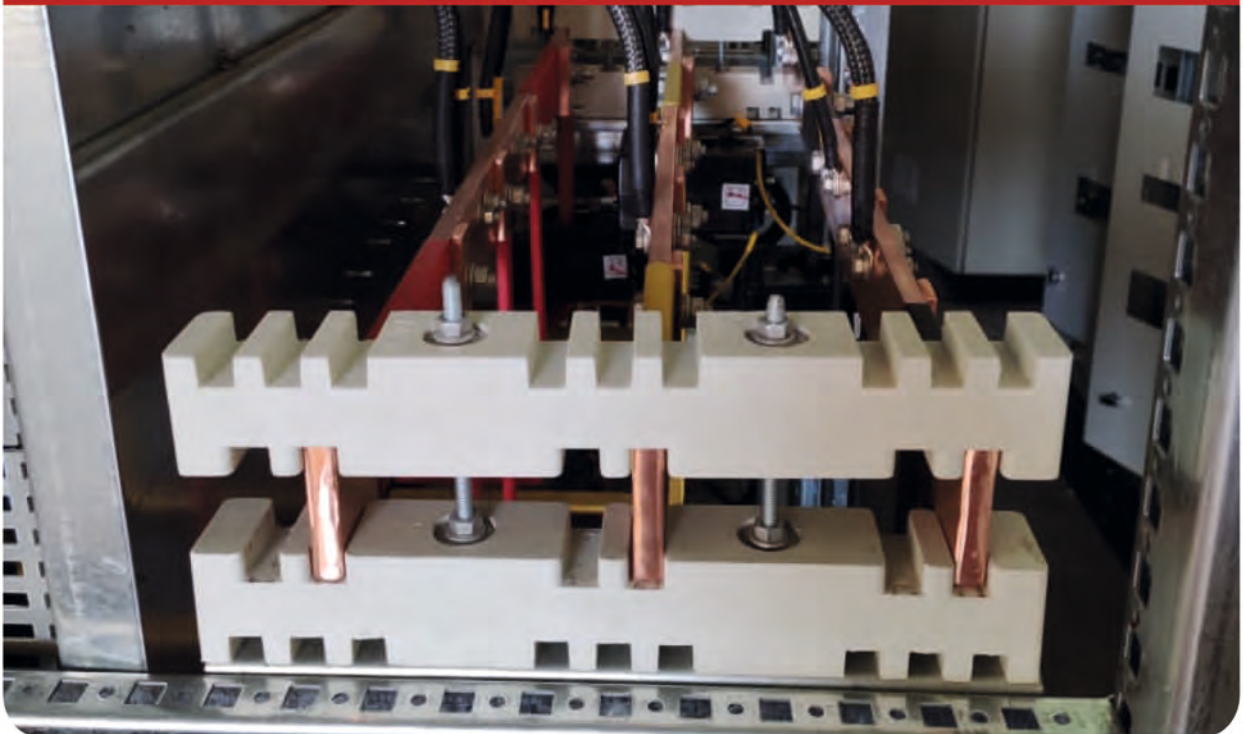
Lamphousing



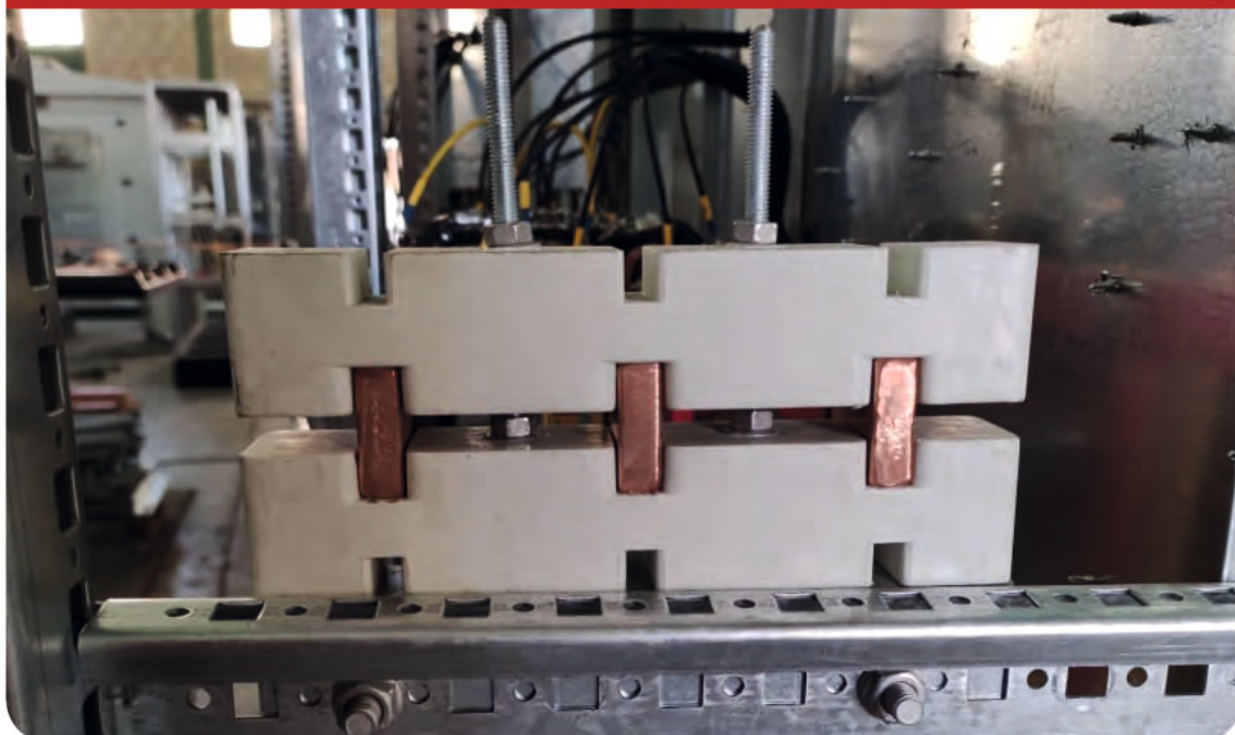
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021-66349455

021-66349481

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0930-8610428

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Certificates

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H.V. TEST REPORT
Project No: TH13-20004
Equipment Under Test: Indoor Post Insulator
Code: JMW24
Rated Voltage: 23 kV
Height: 225 mm
Diameter: 70 mm
Trade Mark: JEBAL

Manufacturer: Electro Jibal Iranian Kavir
Applicant: Electro Jibal Iranian Kavir
Address: Shonar Industrial Zone, 35 km from Beha Highway, Tehran - Iran
Tel: +982106449899
Tested According to: IEC 60601-1999 and Client request
Date of Sample Reception: 14-Mar-2022
Date of Tests: 09-May-2022
Date of Issue: 16-May-2022
Total Number of Pages: 3

Tested by: Technical Officer
Verified by: Technical Manager
Approved by: Chief Executive Officer
Prof. R. Taheri, Prof. A. N. Faris

The statement of conformity decision on the measured values is made based on guard band with 1% rule (ISO/IEC Guide 98-4). The specific false accept/reject risk is up to 2.5%.

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2.1.5 Test results
Table 1 shows the results of the test.

Test Voltage (kV)	Applied Voltage (kV)	Result
10	10	Passed

The test was done according to clause 3.4 of IEC 60601-1999 and the test passed the test.

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3. FIGURES



Figure 1: Equipment under test (EUT)



Figure 2: Test setup for dry power frequency withstand voltage test

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Test report: 05-60009 Page 1 of 11
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EPIL TEST REPORT
Project No.: 05-60009
Equipment under Test: Hexagonal Busbar Insulator
Model/Type: J/1645
Rated Voltage: 40.5 kV
Material: Epoxy Resin
Manufacturer by: JEBAL Co. (ELECTRO JEBAL IRANIAN KAVIR)
Applicant: JEBAL Co. (ELECTRO JEBAL IRANIAN KAVIR)
Trade Mark: —
Tested According to: IEC 60601-1999 and Client Request
Reception Date of Sample: 05-Aug-2020
Testing Date: 11-Aug-2020 Issue Date: 17-Aug-2020
Test Results: See pages 1 to 4
No. of Pages: 11

Prepared and Tested by: Test Engineer
A. Takzare
Verified by: Technical Manager
A. Takzare
Approved by: Chief Executive Officer
Prof. R. Taheri, Prof. A. N. Faris

The statement of conformity decision on the measured values is made based on guard band with 1% rule (ISO/IEC Guide 98-4). The specific false accept/reject risk is up to 2.5%.

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Test report: 05-60009 Page 1 of 11
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100-1000
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2. PERFORMANCE and RESULTS of TEST
2.1 Dry Power Frequency Withstand Voltage Test
2.1.1 Test data
Equipment Under Test (EUT): Hexagonal Busbar Insulator
Location: EPI.L.V.
Date: 11-Aug-2020
Signature of EPI.L.V.: Mr. Takzare
Reference Document: IEC 60601-1999 and Client Request
2.1.2 Ambient conditions
Ambient Temperature: 27°C
Relative Humidity: 40%
2.1.3 Test procedure
The specified dry power frequency withstand voltage is applied in accordance with IEC 60601. The test voltage is maintained at the value for 1 hour.
2.1.4 Acceptance criteria
No failures or problems observed during the test.
2.1.5 Test result

Specified Dry Power Frequency Withstand Voltage (kV)	Correlation Factor	Applied Voltage (kV)	Duration (min)	Result
40.5	0.98	39.69	60	OK

The test was done according to client request and clause 3.4 of IEC 60601 and IEC 60601-1999.

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Test report: 05-60009 Page 1 of 11
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3. FIGURES



Figure 1: Equipment under test (EUT)

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IEC 60601-1-13

Hexagonal

Drum

Cylindrical

M.V

Finger

Step

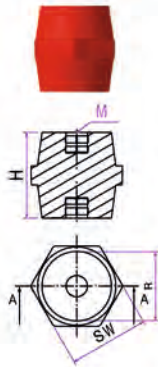
Mainsupport

HEXAGONAL

Female to female Stand off insulator



Reference



Product Code	Height H(mm)	Diameter R(mm)	Diameter SW(mm)	Nominal Voltage V AC/DC	Insert M	Nominal Tightening Torque NM
J/H25	25	20	26	500	M06	6.4
J/H30	30	21	28	500	M06	6.4
J/H35	35	25	32	1000	M06	6.4
J/H40	40	30	37	1000	M08	15
J/H45	45	35	42	1500	M08	15
J/H50	50	38	47	1500	M10	32
J/H55	55	42	52	1500	M10	32
J/H60	60	50	60	1500	M10	32
J/H65	65	52	62	1500	M10	32

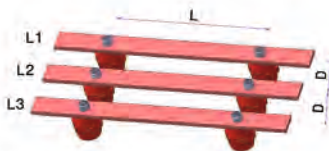
Characteristics



Mounting Details

Product Code	Insulation Voltage(VAC) 50HZ 1MIN	Mechanical PEAK	Flexion KN	Propertie Tension KN	Busbar Size	MAX.Length(Lmax(mm)) *			Min.Distance (Dmin(mm)) **
						PEAK Isc RMS Isc	25KA 16KA	63KA 35KA	
J/H25	2500	5000	2	4	25*5	500	-	-	50
J/H30	2500	5000	2	4.5	25*5	600	110	-	50
J/H35	5000	10000	2.5	7	30*5	800	150	-	55
J/H40	6000	12000	4	10	40*5	800	250	100	55
J/H45	6000	12000	5	14	50*5	800	350	150	75
J/H50	6000	12000	6	17	40*10	900	400	150	75
J/H55	6000	12000	7	20	50*10	900	550	200	100
J/H60	10000	12000	10	25	60*10	900	550	200	100
J/H65	10000	12000	11	25	80*10	950	500	250	125

Description



Material: BMC



* Lmax: Miximim distance between busbar support centers

حداکثر فاصله مرکز تا مرکز مقره

** Dmin: Minimum distance between busbars

حداقل فاصله بين باسبارها

All dimensions are in mm.

Hexagonal

Drum

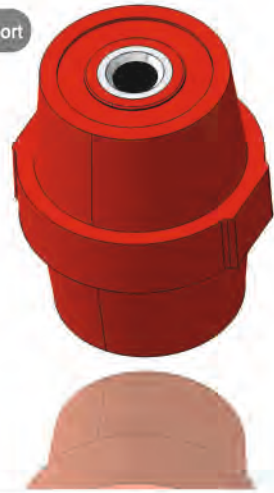
Cylindrical

M.V

Finger

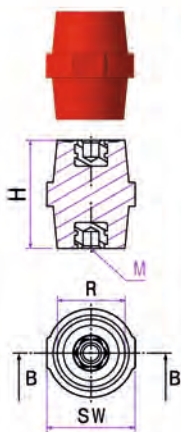
Step

Mainsupport



DRUM

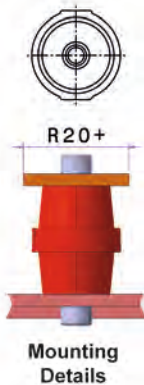
Female to female stand off insulator



Reference

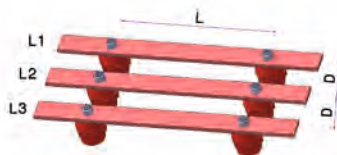
Product Code	Height H(mm)	Diameter R(mm)	Diameter SW(mm)	Nominal Voltage V AC/DC	Insert M	Nominal Tightening Torque NM
J/D25	25	23	30	500	M06	6.4
J/D30	30	26	32	600	M06	6.4
J/D35	35	28	32	1000	M06	6.4
J/D40	40	34	40	1000	M08	15
J/D45	45	29	37	1500	M08	15
J/D50	50	29	36	1500	M08	15
J/D60	60	35	47	1500	M10	32

Characteristics



Product Code	Insulation Voltage(VAC)		Mechanical Flexion KN	Propertie Tension KN	Busbar Size	* MAX.Length(Lmax(mm))			** Min.Distance (Dmin(mm))
	50HZ 1MIN	PEAK				PEAK RMS	Isc 16KA	63KA 35KA	
J/D25	2500	5000	2,5	5	25*5	500	-	-	50
J/D30	2500	5000	3	7	25*5	600	110	-	50
J/D35	5000	10000	3	8	30*5	800	150	-	55
J/D40	6000	12000	5,5	13	40*5	800	250	100	55
J/D45	6000	12000	3	10	30*5	800	350	150	75
J/D50	6000	12000	3	10	30*5	800	150	150	55
J/D60	10000	12000	4	14	50*5	800	350	150	75

Description



Material: BMC



* Lmax: Miximim distance between busbar support centers

** Dmin: Minimum distance between busbars

حداقل فاصله بين باسبار ها

All dimensions are in mm.

Hexagonal

Drum

Cylindrical

M.V

Finger

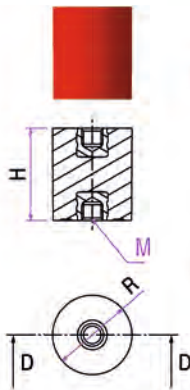
Step

Mainsupport



CYLINDRICAL

Female to female stand off insulator



Reference

Product Code	Height H(mm)	Diameter R(mm)	Nominal Voltage V	Insert M	Nominal Tightening Torque NM
J/C30	30	30	600	M06	6.4
J/C35	35	30	1000	M06	6.4
J/C40	40	30	1000	M06	6.4

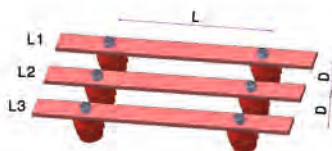


Characteristics

Product Code	Insulation Voltage(VAC)		Mechanical Flexion KN	Propertie Tension KN	Busbar Size	MAX.Length(Lmax(mm)*)			Min.Distance (Dmin(mm)**)
	50HZ 1MIN	PEAK				PEAK Isc	25KA 16KA	63KA 35KA	
J/C30	2500	5000	5	8.5	40*5	800	250	100	55
J/C35	2500	10000	5	8.5	40*5	800	250	100	55
J/C40	6000	12000	5	8.5	40*5	800	250	100	55

Mounting Details

Description



Material: BMC



* Lmax: Miximim distance between busbar support centers

** حداکثر فاصله مرکز تا مرکز مقره
Dmin: Minimum distance between busbars

حداقل فاصله بين پاسبارها

All dimensions are in mm.

Hexagonal

Drum

Cylindrical

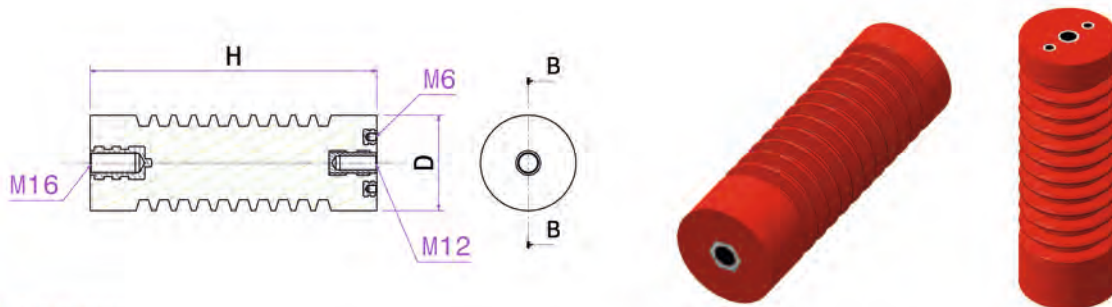
M.V

Finger

Step

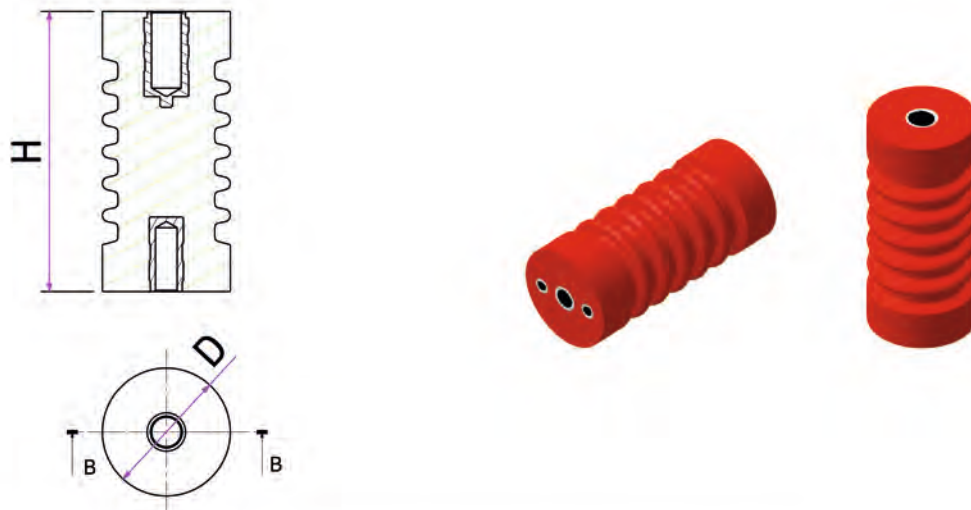
Mainsupport

M.V INSULATOR



Reference

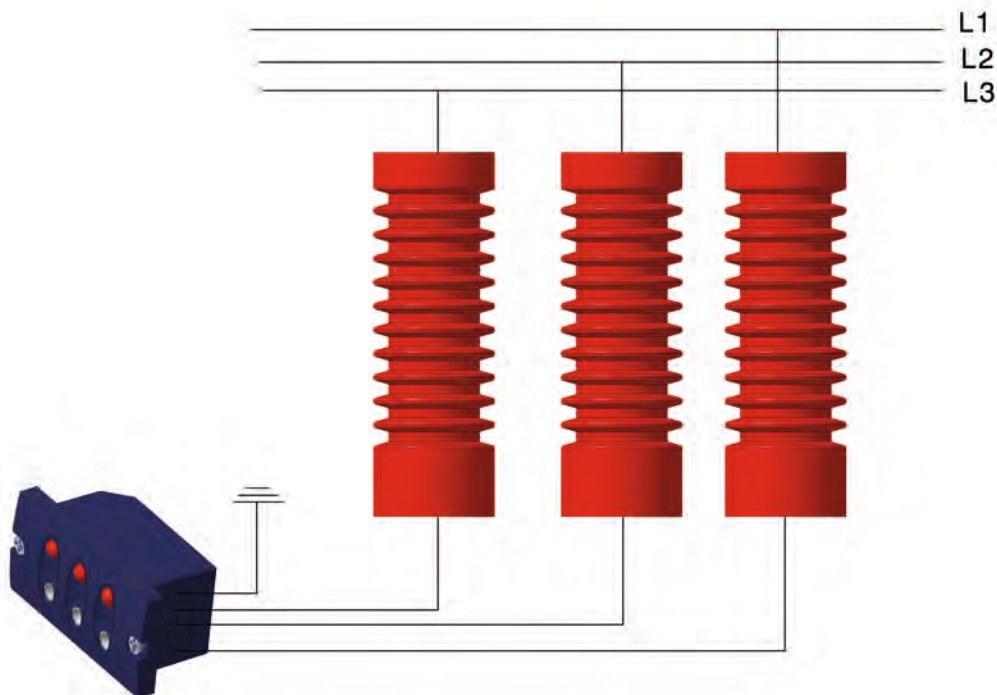
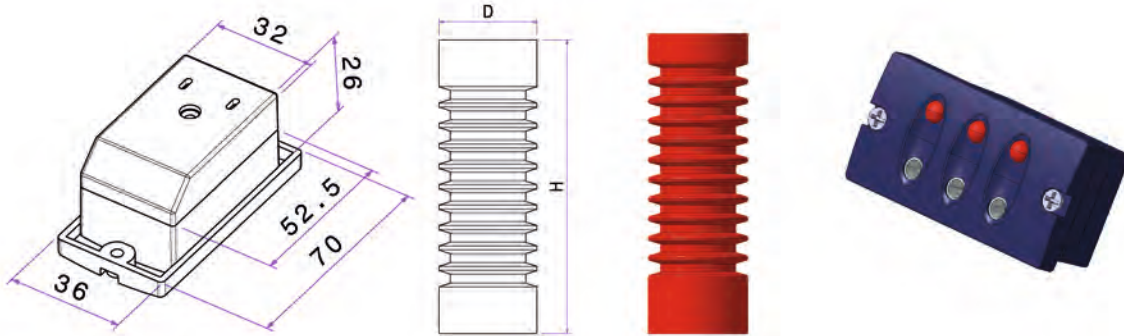
Product Code	Type (Acc IEC)	Height H(mm)	Diameter D(mm)	Insert M		Nominal Voltage KV(AC)	Nominal Tightening Torque Nm			Dry power Frequency (KV)	Mechanical Failing Load (KN)
				Side B	Side A		M06	M12	M16		
J/MV24	JO4-125	210	70	M12	2*M06+M12	24	6.4	45	110	50	22
J/MV24.A	JO4-125	210	70	M16	2*M06+M12	24	6.4	45	110	50	22



Reference

Product Code	Type (Acc IEC)	Height H(mm)	Diameter D(mm)	Insert M		Nominal Voltage KV(AC)	Nominal Tightening Torque Nm			Dry power Frequency (KV)	Mechanical Failing Load (KN)
				Side B	Side A		M06	M12	M16		
J/MV 12	JO4-75	130	70	M16	2*M06+M12	12	6.4	45	110	25	20

CAPACTIVE INSULATOR



Reference

Product Code	Height H(mm)	Diameter D(MM)	Nominal Voitage KV(AC)	Creepage Distance (mm)	Dry power Frequency (KV)	Mechanical Failing Load (KN)
J/CAP 24	210	70	24	395	50	22
J/CAP 12	130	60	12	140	-	-

Hexagonal

Cylindrical

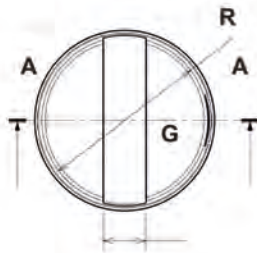
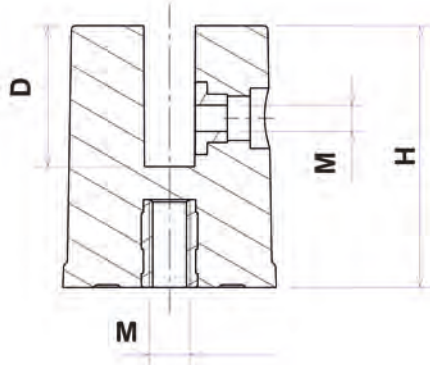
Conical

M.V

Finger

Step

Mainsupport



Reference

Product Code	Height H(mm)	Diameter R(mm)	GEROVE G(mm)	GEROVE Higt D(mm)	Nominal Voltage V AC/DC	Insert M	Nominal Tightening Torque Nm	Max Tightening torque N.m
F55	55	38	7	25	1500	M08	15	18
F65	65	47	12.5	33	1500	M10	32	39
F75	75	58	12.5	33	1500	M10	32	39

Hexagonal

Cylindrical

Conical

M.V

Finger

Step

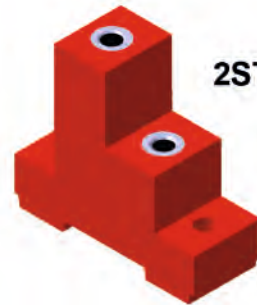
Mainsupport



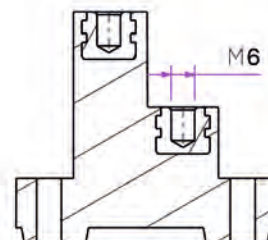
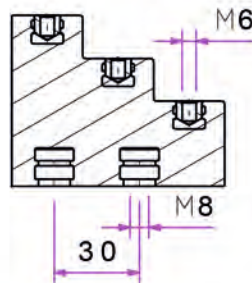
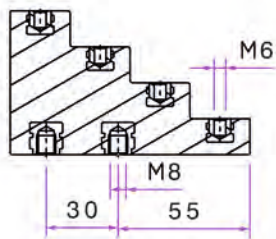
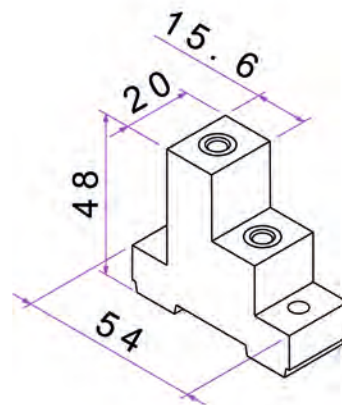
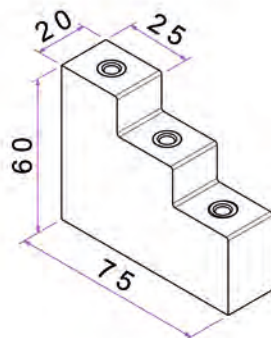
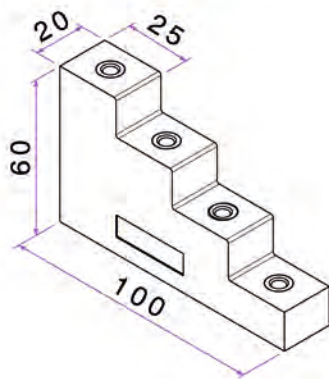
4ST20



3ST25

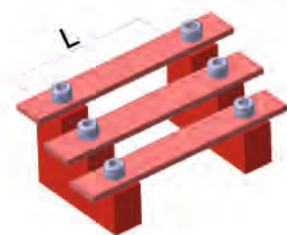


2ST15



Reference

Product Code	Height H(mm)	Nominal Voltage	Insert	Nominal Tightening Torque Nm
2ST15	48	1000	2*M06	6.4
3ST25	60	1000	3*M06	6.4
4ST20	60	1000	4*M06	6.4



* Lmax: Miximim distance between busbar support centers

حداکثر فاصله مرکز تا مرکز مقره

Hexagonal

Cylindrical

Conical

M.V

Finger

Step

Main support



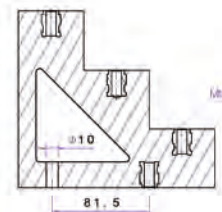
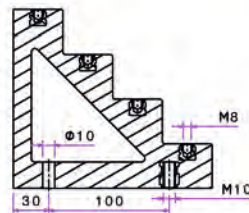
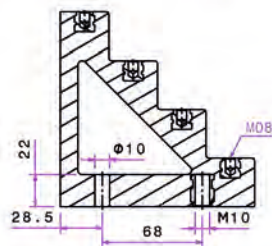
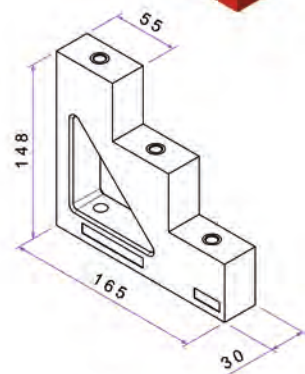
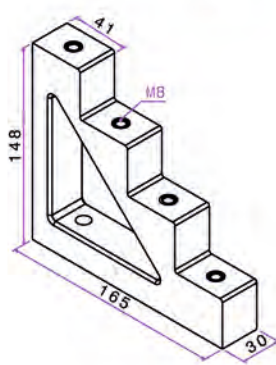
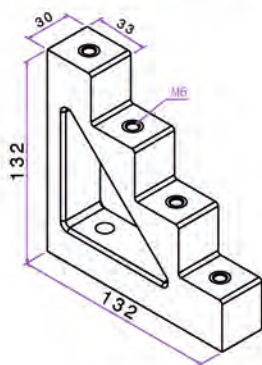
4ST30



4ST40



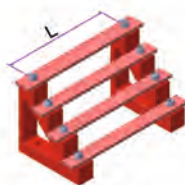
3ST50



Reference

Characteristics

Product Code	Height H(mm)	Nominal Voltage	Insert	Nominal Tightening Torque Nm	Product Code	Busbar Size	I peak (KA)	* L(mm)
4ST30	132	1500	4*M08	15	4ST30	25*5*1	25	500
4ST40	143	1500	4*M08	15	4ST30	30*5*1	25	600
3ST50	200	1500	4*M10	32	4ST30	30*5*1	63	150
					4ST30	30*10*1	25	650
					4ST40	20*10*1	25	750
					4ST40	30*5*1	25	800
					4ST40	30*5*1	63	300
					3ST50	40*10*1	25	900
					3ST50	40*10*1	63	450
					3ST50	50*5*1	25	800
					3ST50	50*5*1	63	350
					3ST50	50*10*1	25	1000
					3ST50	50*10*1	63	900



* Lmax: Miximim distance between busbar support centers

حداکثر فاصله مرکز تا مرکز مقره

Hexagonal

Cylindrical

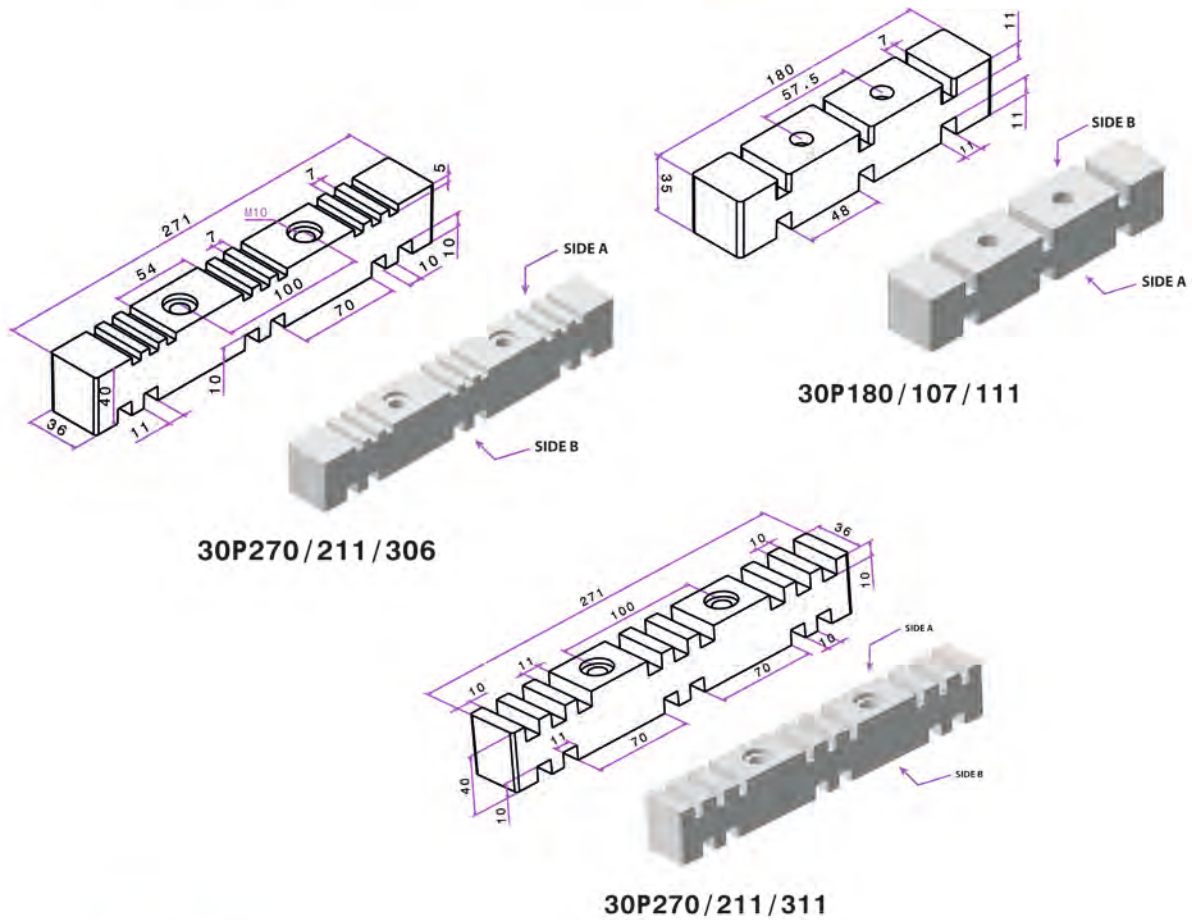
Conical

M.V

Finger

Step

Mainsupport

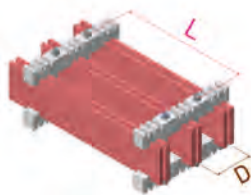


Reference

Product Code	Busbar size	MAX.Length(Lmax(mm))						** Min.Distance (Dmin(mm))
		PEAK ISC						
		30KA	52KA	63KA	110KA	143KA		
30P180/107/111	Side B:60*5*1	650	400	300	150	-	60	
30P180/107/111	Side A:60*10*1	1000	600	650	370	-	60	
30P270/211/311	Side B:80*10*2	1000	1000	950	550	-	90	
30P270/211/311	Side A:80*10*3	1000	950	750	500	-	90	
30P270/211/306	Side A:60*5*3	650	420	330	200	-	90	
30P270/211/306	Side B:80*10*2	1000	1000	950	550	-	90	

Busbar temperature 45c to 80c

دمای مجاز شینه 45 تا 80 درجه سانتی گراد

*
Lmax: Miximim distance between busbar support centers

حداکثر فاصله مرکز تا مرکز مقره

**
Dmin: Minimum distance between busbars

حداقل فاصله بین باسبار ها

Hexagonal

Cylindrical

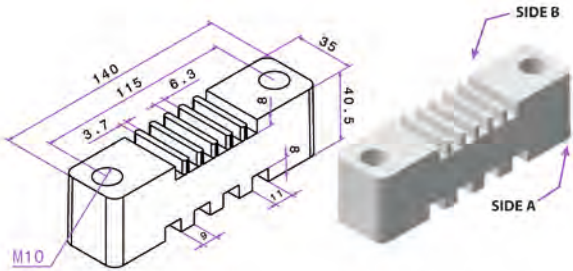
Conical

M.V

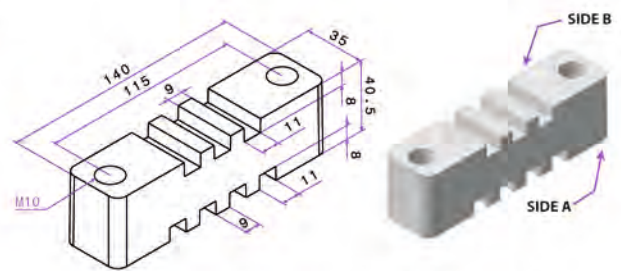
Finger

Step

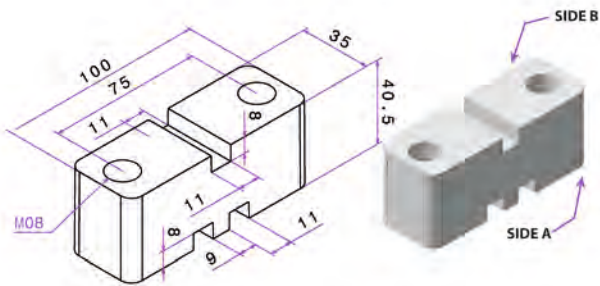
Mainsupport



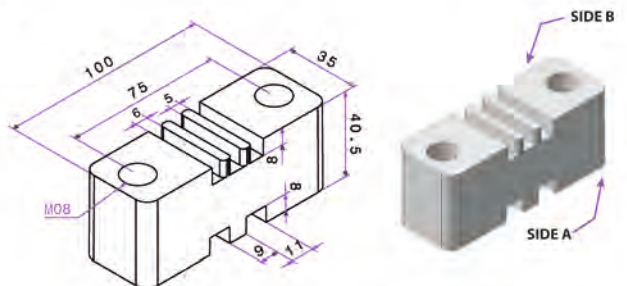
1P140/411/606



1P140/311/411



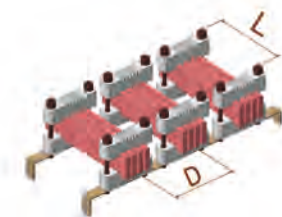
1P100/111/211



1P100/211/306

Reference

Product Code	Busbar size	* MAX.Length(Lmax(mm))					** Min.Distance (Dmin(mm))
		PEAK ISC					
		30KA	52KA	63KA	110KA	143KA	
1P100/211/306	Side B :60*5*3	1000	1000	500	250	-	75
1P100/211/306	Side A:80*10*2	1000	1000	1000	800	600	90
1P100/111/211	Side A:60*10*2	1000	1000	1000	800	600	90
1P140/411/606	Side B :50*5*2	1000	1000	500	250	-	75
1P140/411/606	Side A:80*10*3	1000	1000	750	550	450	130
1P140/311/411	Side B:80*10*3	1000	1000	750	550	450	130



* Lmax: Miximim distance between busbar support centers

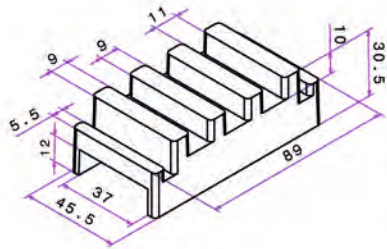
حداکثر فاصله مرکز تا مرکز مقره

** Dmin: Minimum distance between busbars

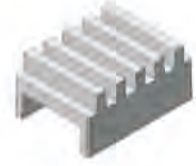
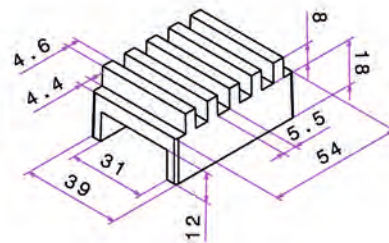
حداقل فاصله بين باسبار ها

برای استفاده از باسبار ساپورت ها در جریان اتصال کوتاه بالاتر با ما در ارتباط باشید .

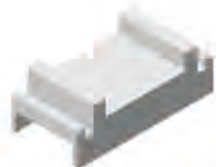
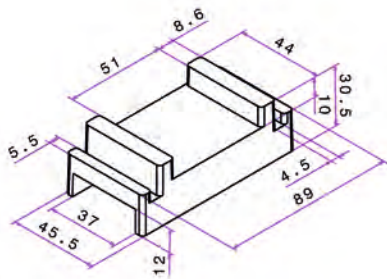
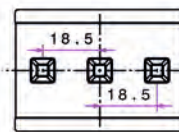
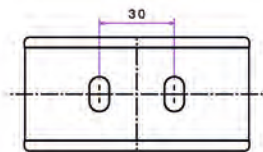
Hexagonal Cylindrical Conical M.V Finger Step **Mainsupport**



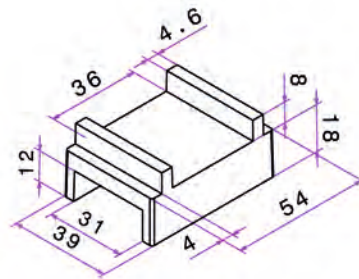
PG-310



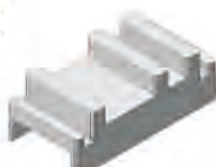
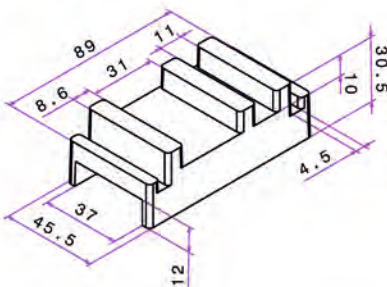
PG-405



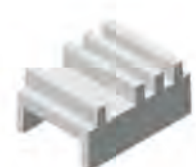
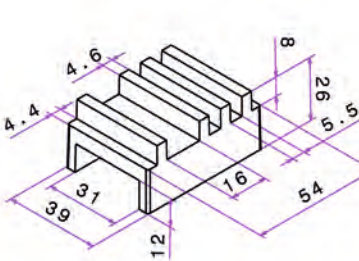
PG-310A



PG-405A



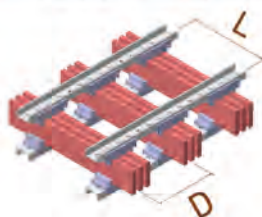
PG-310B



PG-405B

Reference

Product Code	Busbar size	MAX.Length(Lmax(mm)) [*]						Min.Distance (Dmin(mm)) ^{**}
		PEAK ISC						
		30KA	52KA	63KA	110KA	143KA	187KA	
PG-405	80*5*4	15KA	25KA	35KA	50KA	65KA	85KA	75
PG-310	80*10*3	1000	1000	500	350	250	-	130



^{*} Lmax: Miximim distance between busbar support centers

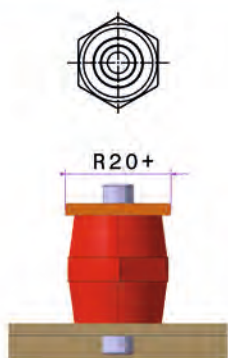
حداکثر فاصله مرکز تا مرکز مقعره

^{**} Dmin: Minimum distance between busbars

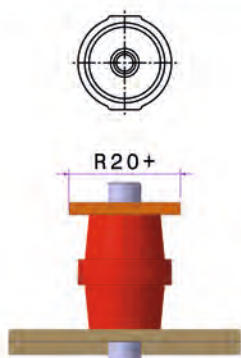
حداقل فاصله بین بانسبارها



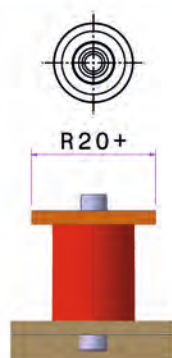
Mounting Details



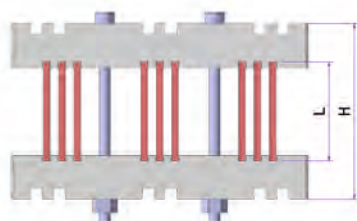
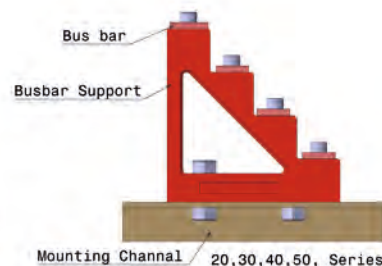
HEXAGONAL



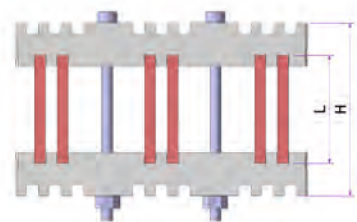
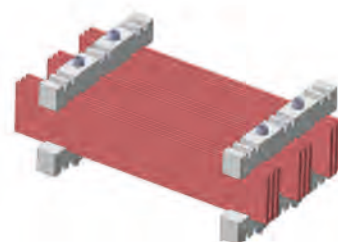
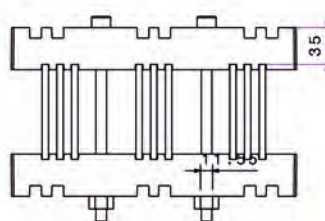
DRUM



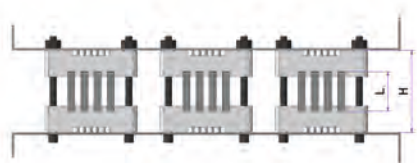
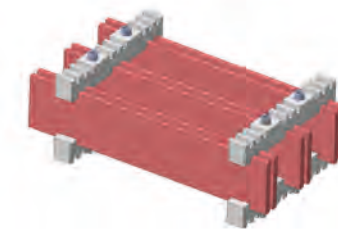
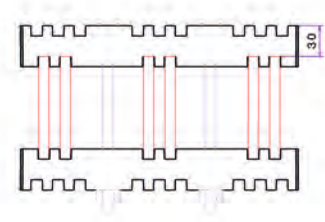
CYLINDRICAL



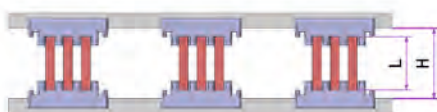
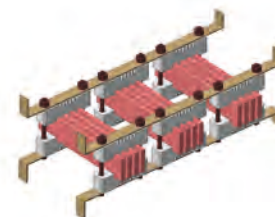
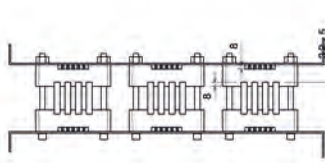
$H=L+70$ (30P270/211/306)
L=Busbar Length



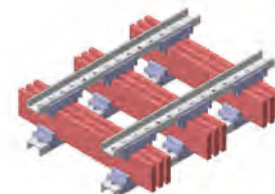
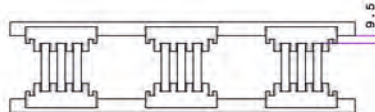
$H=L+60$ (30P270/211/311)
L=Busbar Length



$H=L+65$ (1P140-606-411/1P100/211/306)
L=BusBar Length



$H=L+20$ (PG310/PG310/A-PG310/B)
L=BusBar Length



Description

PROPERTIS	UNITS	TEST METHODS (ASTM)	SMC	VALUES BMC	POLYAMIDE
PHYSICAL					
Specific	g/cm ³	D-792	1.7	1.9	1.39
Glass Contents	%	N.A.	25	15	33
Water Absorption(24hrs)	%	D-570	0.2	0.15	1.2
MECHANICAL					
Tensile Strength	MPa	D-638	70	40	108
Flexural Strength	MPa	D-790	152	90	255
Compressive Strength	MPa	D-695	177	147	-
Impact Strength Izod	J/m	D-265	600	250	117
ELECTRICAL					
Dielectric Strength	KV/mm	D-149	12	10	20.9
Tracking Index	Volts	BS-5901	+600	+ 600	600+
ARC Resistance	Secs	D-495	+180	180+	200+
FLAMMABILITY		UL-94	V-O	V-O	HB

The above values are the standard formula followed by the company but we have providers for manufacturing SMC, BMC & Polyamide according to the customer requirements.

(SMC = Sheet moulding compound) (BMC = Bulck moulding compound)

Tests

The following tests to IEC 60660, IEC 60273 are performed:

Type tests,

Test with rated power-frequency withstand voltage (dry).

Test with rated lightning impulse withstand voltage.

Testing of minimum failing loads (nominal loads) for; Bending, tension , torsion

Routine test,

Visual inspection / Dimensional inspection / Testing of conductive connection of threaded fixing bushes. Partial discharge extinction voltage test.

Threads	Value Nominal (n.m)	Max. (N.m)	Min (N.m)
M06	6.4	7.7	5.1
M08	15	18	12
M10	32	38.4	25.6
M12	45	54	36
M16	110	132	88
M20	220	264	175
M24	295	345	245



INSULATORS – TESTS ON INDOOR POST INSOLATORS OF ORGANIC MATERIAL FOR SYSTEMS WITH NORMAL VOLTAGES GRATEAR THAN 1000 V UP TO BUT NOT INCLUDING 300 KV.

SCOPE AND OBJECT

INDOOR POST INSULATOR

a post insulator not intended to be exposed to outdoor atmospheric conditions. For indoor installations subject to excessive condensation, outdoor post insulators or special indoor post insulators may be used [IEV 471_04_04, modified] .

Flash over :

Disruptive discharge external to the insulator , and over its surface, connecting those parts which normally have the operation voltage between them. The term "flash over" used in this standard includes flash over across the insulator surface as well as disruptive discharges by spark over through air adjacent to the insulator [IEV 471_01_12, modified] .

Dry lightning impulse withstand voltage:

Lightning impulse voltage which the dry post insulator withstands under the prescribed conditions of test.

Dry power_ frequency withstand voltage:

Power_ frequency voltage which the dry post insulator withstands under the prescribed conditions of test.

Creepage distance :

Shortest distance along the contours of the external surfaces of the insulating parts of the post insulator between those parts which normally have the operating voltage between them. However to take account of the metal fittings attached to the post insulator, the distance which in service conditions is covered by metal fittings is not included in the Cree page distance.

JEBAL

ELECTRO JEBAL IRANIAN KAVIR

الکترو جبال ایرانیان کویر

Manufacturer of low and medium voltage insulators



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۰۲۱-۸۸۸۳۳۲۴۸

۰۲۱-۶۶۳۴۹۴۸۱

۰۲۱-۸۸۸۳۲۹۳۹

No. 14, Unit 7, Mesbah Karimi Alley, Lalezar-No St., Tehran

Factory address: Shenzar industrial Zone, 35 km of imam Reza highway, Tehran- Iran

آدرس دفتر مرکزی : تهران خ لاله زار نو کوچه مصباح کریمی پلاک ۱۴ واحد ۷

آدرس کارخانه : تهران کیلومتر ۳۵ بزرگراه امام رضا ، شهرک صنعتی شنزار

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