

BUSBAR SUPPORTS



MRM **PROCOM**[®] Pvt. Ltd.

An ISO 9001 : 2015 Certified Organization



Busbar Supports

INTRODUCTION:

The Bus Bar System Insulators has been designed for a variety needs in Electrical Panels, Switch Boards and Electrical Distribution Panels and Bus Bar trunkings. The Raw Material has designed and formulated by PROCOM to have good electrical and Mechanical properties, Non-Hygroscopic, self- extinguishing and excellent behaviour even when used on polluted environment. PROCOM bus bar supports are designed, manufactured and Quality tested to meet International standards. The product us manufactured by using Raw material of Fiber Reinforced Plastics such as the Sheet. Molding Compound(SMC) and the Dough Molding Compound(DMC),specially formulated by PROCOM raw material division to be a suitable for use in very rugged environment conditions.

■ STAND OFF INSULATORS

- Conical type insulators
- Hexagonal type insulators

■ FINGER TYPE SUPPORTS

- One way type supports
- Two way type supports
- Three way type supports
- Four way type supports

■ L-TYPE SUPPORT

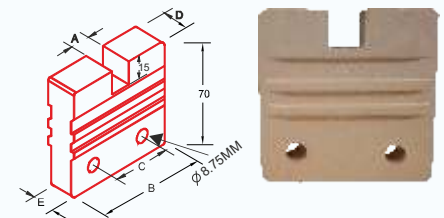
■ NEUTRAL LINK WITH DMC PAD SUPPORTS

■ TERMINAL CONNECTOR

- Double Pole Connector
- Tripple Pole Connector
- Four Pole Connector

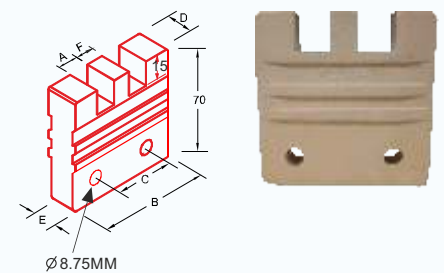
ONE WAY FINGER SUPPORT

PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM					SPQ
		A	B	C	D	E	
PRO-M-106-W	6 MM x1 BAR	7.0	60	32	14	10	50
PRO-M-110-W	10 MM x1 BAR	11.2	60	32	14	10	50
PRO-M-112-W	12 MM x1 BAR	13.2	60	32	14	10	50
PRO-M-106-K	6 MM x1 BAR	7.0	70	40	20	16	50
PRO-M-110-K	10 MM x1 BAR	11.2	70	40	20	16	50
PRO-M-112-K	12 MM x1 BAR	13.7	70	40	20	16	50
PRO-M-116-K	16 MM x1 BAR	18	70	40	20	16	50
PRO-M-118-K	18 MM x1 BAR	20	70	40	20	16	50
PRO-M-120-K	20 MM x1 BAR	22	70	40	20	16	50
PRO-M-124-K	24 MM x1 BAR	26	70	40	20	16	50
PRO-M-106-T	6 MM x1 BAR	7	70	40	25	20	50
PRO-M-110-T	10 MM x1 BAR	11	70	40	25	20	50
PRO-M-170-T	70 MM x1 BAR	72	130	80	25	20	50



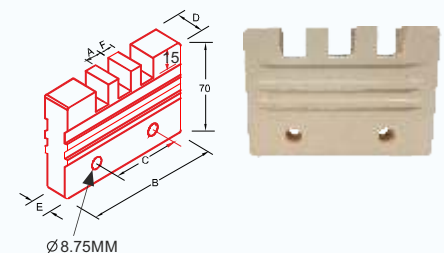
TWO WAY FINGER SUPPORT

PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM						SPQ
		A	B	C	D	E	F	
PRO-M-206-W	6 MM x 2 BAR	7.0	60	32	14	10	5.5	50
PRO-M-210-W	10 MM x 2 BAR	11.2	60	32	14	10	9	50
PRO-M-212-W	12 MM x 2 BAR	13.2	60	32	14	10	11	50
PRO-M-206-K	6 MM x 2 BAR	7.0	70	40	20	16	5.5	50
PRO-M-210-K	10 MM x 2 BAR	11.2	70	40	20	16	9	50
PRO-M-212-K	12 MM x 2 BAR	13.7	70	40	20	16	11	50
PRO-M-206-T	6 MM x 2 BAR	7.0	70	40	25	20	5.5	50
PRO-M-210-T	10 MM x 2 BAR	10.8	70	40	25	20	9.6	50

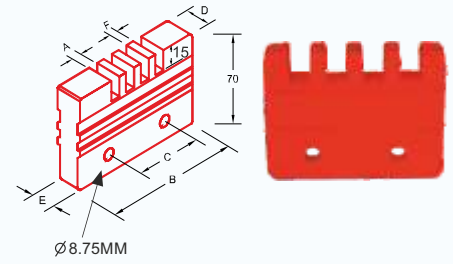


THREE WAY FINGER SUPPORT

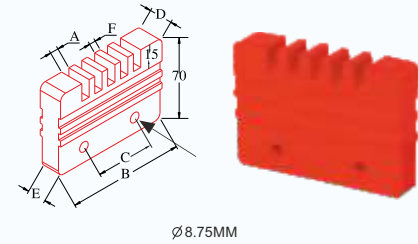
PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM						SPQ
		A	B	C	D	E	F	
PRO-M-306-W	6 MM x 3 BAR	7.0	70	32	14	10	5.5	50
PRO-M-306-K	6 MM x 3 BAR	7.0	70	40	20	16	5.5	50
PRO-M-310-K	10 MM x 3 BAR	11.2	100	50	20	16	9	50
PRO-M-312-K	12 MM x 3 BAR	13.7	100	50	20	16	11	50
PRO-M-306-T	6 MM x 3 BAR	7.0	70	40	25	20	5.5	50
PRO-M-310-T	10 MM x 3 BAR	11	100	50	25	20	9.5	50



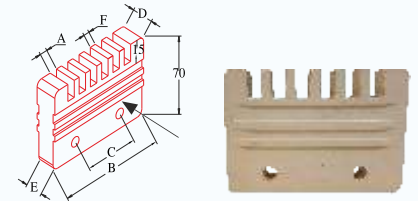
FOUR WAY FINGER SUPPORT								
PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM						SPQ
		A	B	C	D	E	F	
PRO-M-406-W	6 MM x 4 BAR	7.0	80	50	14	10	5.5	50
PRO-M-406-K	6 MM x 4 BAR	7.0	100	50	20	16	5.5	50
PRO-M-410-K	10 MM x 4 BAR	11.2	100	50	20	16	9	50
PRO-M-412-K	12 MM x 4 BAR	13.7	130	80	20	16	11	50
PRO-M-410-KS	10 MM x 4 BAR	11.5	130	80	19	14	9.7	40
PRO-M-412-KS	12 MM x 4 BAR	14	130	80	19	14	11.7	40
PRO-M-406-T	6 MM x 4 BAR	7.0	130	80	25	20	5.5	20
PRO-M-410-T	10 MM x 4 BAR	11.2	130	80	25	20	9.6	20
PRO-M-412-T	12 MM x 4 BAR	13.4	130	80	25	20	16.6	20



FIVE WAY FINGER SUPPORT								
PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM						SPQ
		A	B	C	D	E	F	
PRO-M-506-K	6 MM x 5 BAR	7.0	100	50	20	16	5.5	40
PRO-M-510-K	10 MM x 5 BAR	11.5	130	80	19	14	9.0	40
PRO-M-506-T	6 MM x 5 BAR	7.4	100	50	25	20	5.5	40



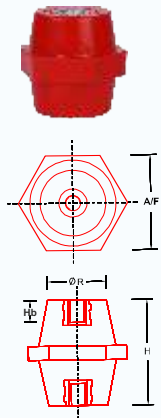
SIX WAY FINGER SUPPORT								
PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM						SPQ
		A	B	C	D	E	F	
PRO-M-606-K	6 MM x 6 BAR	7.0	100	50	20	16	5.5	40
PRO-M-606-T	6 MM x 6 BAR	7.6	100	50	25	20	5.5	50



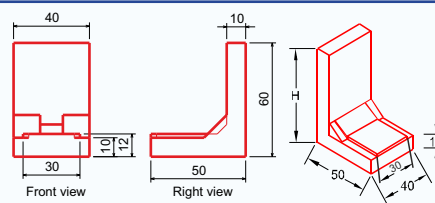
BUS BAR SUPPORT CONICAL						
PRODUCT CODE	INSERT	DIMENSION IN MM				SPQ
		D.T.	D.B.	H	Hb	
BIC-25-5	M5	19	25	25	10	100
BIC-25-6	M6	19	25	25	10	100
BIC-30-6	M6	25	30	30	10	100
BIC-35-8	M8	28	35	35	12	100
BIC-40-8	M8	40	33	40	12	50
BIC-45-8	M8	33	40	45	12	50
BIC-50-10	M10	40	50	50	17	30
BIC-60-10	M10	40	50	60	17	25
BIC-70-10	M10	40	50	70	20	25
BIC-60-12	M12	40	50	60	20	25



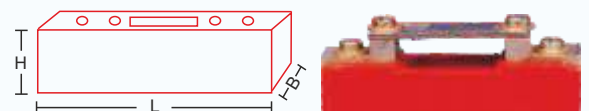
BUS BAR SUPPORT HEXAGONAL							
PRODUCT CODE	INSERT	DIMENSION IN MM				SPQ	
		D.T.	D.B.	H	Hb		
BIH-25-6	M6	19	25	25	10	100	
BIH-30-6	M6	25	30	30	10	100	
BIH-30-8	M8	25	30	30	10	100	
BIH-40-8	M8	40	33	40	12	50	
BIH-40-10	M10	33	40	40	17	50	
BIH-50-10	M10	40	50	50	17	30	
BIH-60-10	M10	40	50	60	17	25	
BIH-60-12	M12	40	50	60	17	25	



L-TYPE SUPPORT			SPQ
PRODUCT CODE	HEIGHT(H) MM	WIDTH MM	
PRO-ML-60-W	60	10	100
PRO-ML-85-W	85	10	50
PRO-ML-105-W	105	10	50
PRO-ML-125-W	125	10	50
PRO-ML-150-W	150	10	50

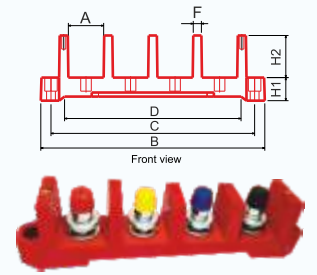


NEUTRAL LINK WITH DMC PAD					
PRODUCT CODE	PRODUCT CODE	L	B	H	SPQ
NEUTRAL LINK 32A	PRO-NL-32A	58	15	13	100
NEUTRAL LINK 63A	PRO-NL-63A	78	20	15	50
NEUTRAL LINK 100A	PRO-NL-100A	102	27	20	30



POWER TERMINAL

PRODUCT NAME	PRODUCT CODE	A	B	C	D	F	H1	H2	SPQ
DOUBLE POLE TERMINAL 63 AMP	PRO-DP-63A (M6)	25	95	82	68	6	17	28	40
DOUBLE POLE TERMINAL 100 AMP	PRO-DP-100A (M8)	25	95	82	65	6	17	48	40
DOUBLE POLE TERMINAL 200 AMP	PRO-DP-200A (M10)	32	145	117	89	8	21	15	20
TRIPPLE POLE TERMINAL 63 Amp	PRO-TP-63A (M6)	24	122	105	80	6	17	25	40
TRIPPLE POLE TERMINAL 100 Amp	PRO-TP-100A (M8)	26	135	106	170	6	17	31	40
FOUR POLE TERMINAL 63 Amp	PRO-TPN-63A (M6)	26	165	152	130	6	17	26	40
FOUR POLE TERMINAL 100 Amp	PRO-TPN-100A(M8)	26	165	150	130	6	17	31	40
FOUR POLE TERMINAL 200 Amp	PRO-TPN-200A(M10)	32	230	195	168	8	20	14	40



FLAT BAR FINGER SUPPORT

PRODUCT CODE	BUS BARSIZE	DIMENSION IN MM										
		A	B	C	D	E	E1	F	N	P	SD	
PRO-TPN-107-35	6 MM X 1run/ph. & 6 MM X 1run/N	350	328	50	75	62.5	62.5	-	7	7	15	Fig-1
PRO-TPN-111-35	10 MM X 1run/ph. & 6 MM X 1run/N	350	328	50	75	62.5	62.5	-	7	11	15	
PRO-TPN-114-35	12 MM X 1run/ph. & 6 MM X 1run/N	350	328	50	75	62.5	62.5	-	7	13.7	15	
PRO-TPN-207-35	6 MM X 2runs/ph. & 6MM X 1run/N	350	328	50	70	78	62	5.8	7	7	15	Fig-2
PRO-TPN-211-35	10 MM X 2runs/ph. & 6 MM X 1run/N	350	328	50	70	78	62	9	11	11	15	
PRO-TPN-214-35	12 MM X 2runs/ph. & 6 MM X 1run/N	350	328	50	70	78	62	11	13.7	13.7	15	

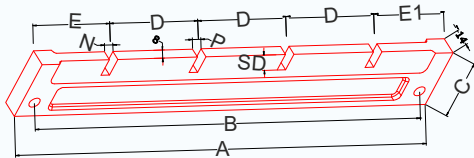


Fig-1

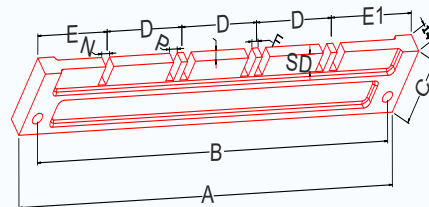
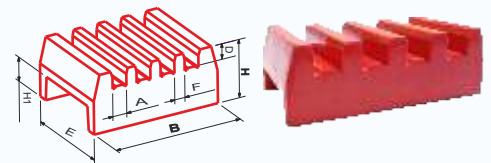


Fig-2

BUS BAR SUPPORT VERTICAL

PRODUCT CODE	BUS BAR SIZE	DIMENSION IN MM								PRICE	
		A	B	C	D	E	F	H	H1	DMC	SMC
PRO-VBS-0406	6 MM x 4 BAR	7.5	67	19	8	50	5.5	30	12.5	45.35	55.00
PRO-VBS-0410	10 MM x 4 BAR	11.5	95	19	10	50	9	32	12.5	70.00	80.00



PROPERTIES	UNITS	TEST METHODS	VALUES		
			SMC	DMC	POLYIMIDE
PHYSICAL					
SPECIFIC GRAVITY	-	ASTM	1.7	1.9	1.39
GLASS CONTENTS	%	N/A	25	15	33
WATER CONTENTS (24 Hrs)	%	ASTM D-570	0.2	0.15	1.2
MECHANICAL					
Tensile Strength	Kgf/cm ²	ASTM D-638	700	400	1200-1300
Flexural Strength	Kgf/cm ²	ASTM D-790	15550	900	2500-2800
Impact Strength IZOD	J/m	ASTM D-265	600	250	117
Compressive Strength	Kgf/cm ²	ASTM D-695	1800	1500	NA
ELECTRICAL					
Dielectric Strength	(KV/mm)	ASTM D-149	12	10	20
Comparative tracking index	(Volts)	BS-5901	>600	>600	>600
ARC Resistance	(Secs.)	ASTM D-495	180	180	200
FLAMMABILITY INDEX					
Glow Wire Ignition Test Over 3mm Thickness Specimen	(°C)	IEC-60695-2-13	960	960	746/930
Hot Wire Ignition Test	(SECS.)	ASTM D-3874	>120	>120	7-15
RTI, Str (Thickness 3MM)	(°C)	UL-746B	130	130	130
RTI, Elect. (Thickness 3mm)	(°C)	UL-746B	105	105	130
High Voltage Arc Tracking Rate	mm/mim	UL-746A	0 through 10	0 through 10	over 10 through 25.4
		UL-\	>120	>120	>120
			1	1	1
			3	3	3
			B	B	B
			(-) 40°C to 135°C	(-) 40°C to 135°C	(-) 40°C to 135°C

TOLERANCE CHART	
DIM (MM)	TOLERANCE (±)
1-15	0.25 mm
16-50	0.5 mm
51-100	1.0 mm
101-250	1.5 mm
250 & above	2 mm

THE ABOVE VALUES ARE FOR THE STANDARD FORMULATION FOLLOWED FOR COMPANY. WE HAVE FACILITIES FOR MANUFACTURING SMC, DMC, & POLYIMIDE ACCORDING TO THE CUSTOMER REQUIREMENTS.

(SMC = SHEET MOULDING COMPOUND)
(DMC = DOUGH MOULDING COMPOUND)

IMPORTANT NOTE
FOR TECHNICAL NOTES OF DMC, SMC, BUSBAR SUPPORTS, SHORT CIRCUIT AND FAULT LEVEL CALCULATIONS PLEASE ASK FOR OUR LATEST TECHNICAL NOTES 01/16.