

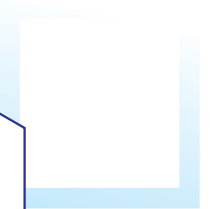
WE INNOVATE



TERMINAL BLOCKS
2013-06



WE INNOVATE



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mack ELECTRICAL
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Factory Headquarters
78 Zhao Shang Avenue, ZhangZhou Development Zone
ZhangZhou, 363105, P.R.C.
Tel: +86 596 685 1990 Fax: +86 596 685 1992
E-mail: sales@mackelectrical.com

MACK ENTERPRISE CO., LTD.

www.mackelectrical.com



WE INNOVATE

Company History

Mack Electrical began back in 1982, but the seeds were planted in 1972, when Mr. Bob Yuan HSIAO, a well respected businessman from Taiwan, had the vision of bringing together his thoughts, theories and experiences from many successful years of business as a founding President with a number of different companies who were involved in the low voltage electrical manufacturing sector.

Mack Electrical today is one of the top three suppliers of low voltage products in Taiwan, has its own marketing and sales channels, and is a solely private business. The focus of this business is in the field of Low Voltage Electrical Apparatus with an ongoing development of products in the area of Push Buttons, Terminal Blocks, Tower Lights and Power Section Switches.

Mack has obtained globally recognized certificates including ISO9001, UL, CSA, CE and CCC. This certification, together with maintaining a high level of Quality Assurance, has allowed Mack products to be widely used in major construction projects in very prestigious and important industries, both in the domestic and export sectors.

Mack currently operates from its new 5000 square meter factory in the ZhangZhou Development Zone, Fujian Province, with the capacity for large scale production, a highly skilled workforce, and "state of the art" machinery allowing for high quality and fast turn-around of production needs.

Mack contracts necessary expertise from overseas in order to provide both domestic and international customers with the best possible products and services. Mr. Mark HSIAO, the eldest son of the founder, is the President of Mack Electrical operations in ZhangZhou and has been involved with the business for over 25 years.

Mack is constantly working on developing products to fill a void in the market in addition to specifically targeting the export market sector.

Company Core Values

MACK ELECTRICAL adheres to the following Core Values:-

Personal and Professional Working Relationships

Complete Trust and Respect for each person on Our Team

Quality is our Business

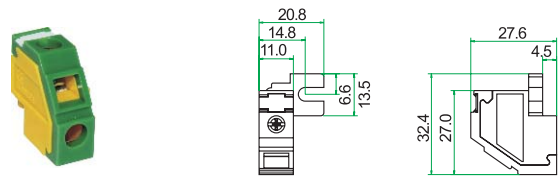
ISO9001:2008

RoHS



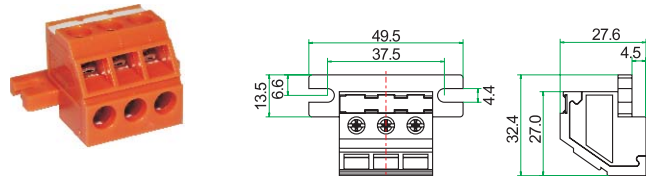
MTB TRANSFORMER TERMINAL BLOCKS

MTB-20-1P / 20A



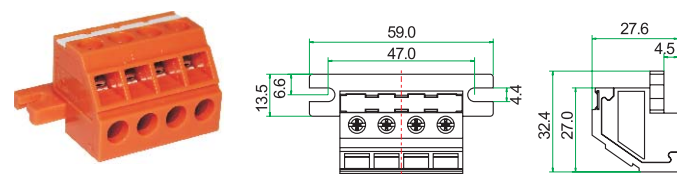
YG

MTB-20-3P / 20A



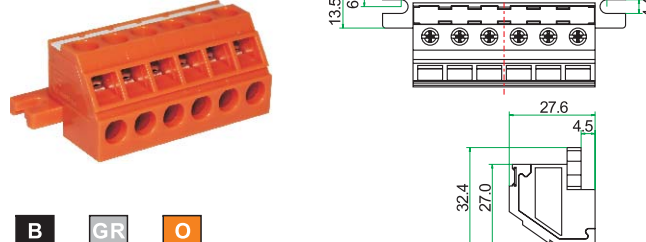
B GR O

MTB-20-4P / 20A



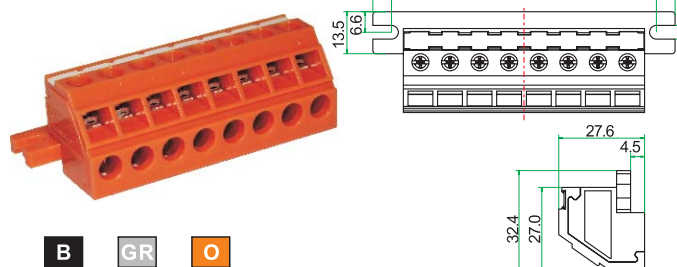
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MTB-20-6P / 20A



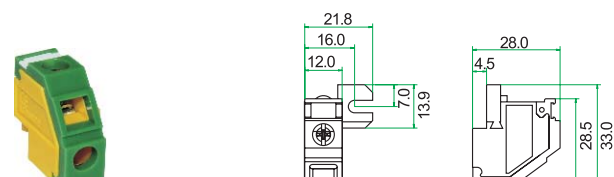
B GR O

MTB-20-8P / 20A



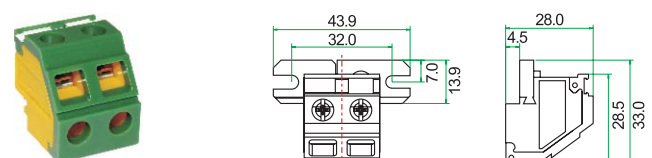
B GR O

MTB-30-1P / 30A



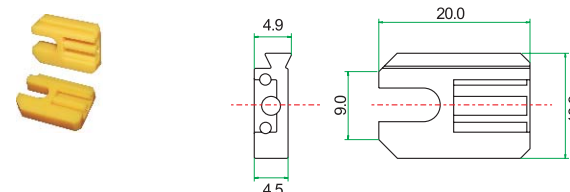
YG

MTB-30-2P / 30A



B GR O YG

MTB-30S



B GR O

TECHNICAL DATA

Item No.	Rated Voltage	Rated Current	Dielectric Strength	Insulation Resistance	Applicable Wire	Applicable Screw	Number of poles	Dimensions
MTB-20-1P	600V	20A	2500V 1min	100MΩ Min	4mm ² MAX	M3.5	1Poles	20.8x32.4x27.6
MTB-20-3P	600V	20A	2500V 1min	100MΩ Min	4mm ² MAX	M3.5	3Poles	49.5x32.4x27.6
MTB-20-4P	600V	20A	2500V 1min	100MΩ Min	4mm ² MAX	M3.5	4Poles	59x32.4x27.6
MTB-20-6P	600V	20A	2500V 1min	100MΩ Min	4mm ² MAX	M3.5	6Poles	78x32.4x27.6
MTB-20-8P	600V	20A	2500V 1min	100MΩ Min	4mm ² MAX	M3.5	8Poles	97x32.4x27.6
MTB-30-1P	600V	30A	2500V 1min	100MΩ Min	6mm ² MAX	M4.0	1Poles	21.8x33x28
MTB-30-2P	600V	30A	2500V 1min	100MΩ Min	6mm ² MAX	M4.0	2Poles	43.9x33x28

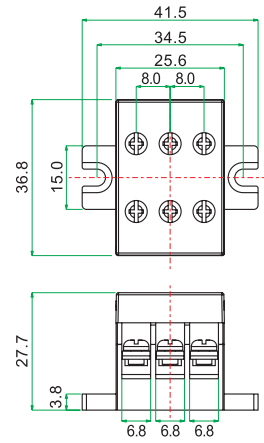
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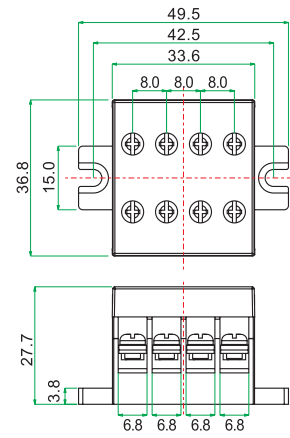


IN SERIES SCREW MOUNT TERMINAL BLOCKS

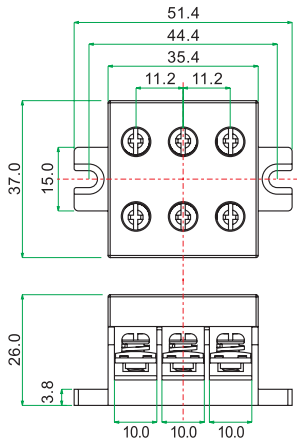
IN13BK-C-3P-GD / 20A



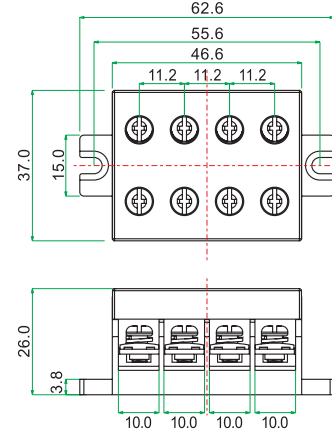
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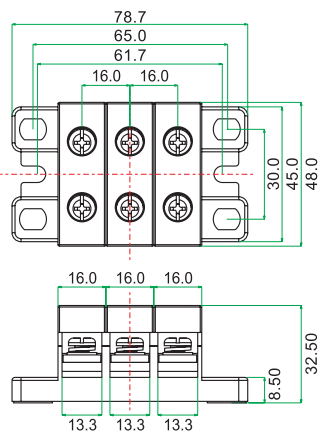
IN20BK-C-3P-GD / 30A



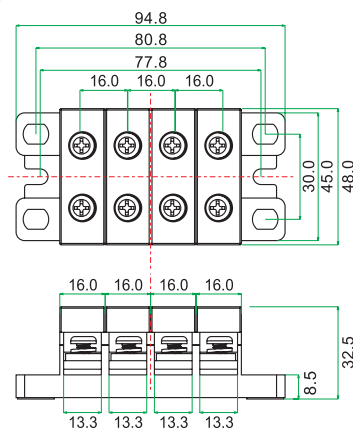
IN20BK-C-4P-GD / 30A



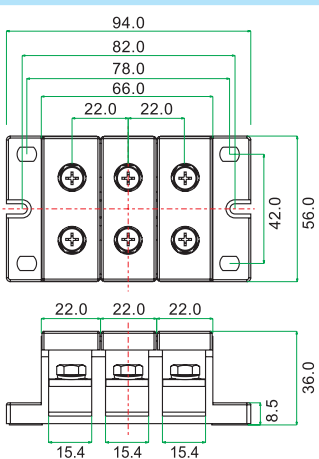
IN411SB-C-3P-GD / 60A



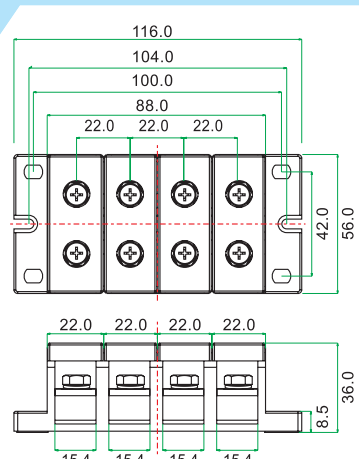
IN411SB-C-4P-GD / 60A



IN60BK-C-3P-GD / 90A

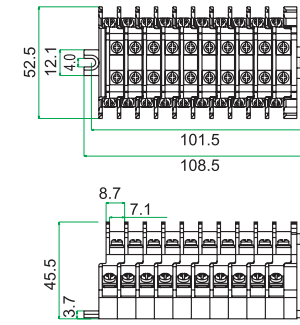


IN60BK-C-4P-GD / 90A



MBD DIN RAIL DOUBLE LAYER TERMINAL BLOCKS

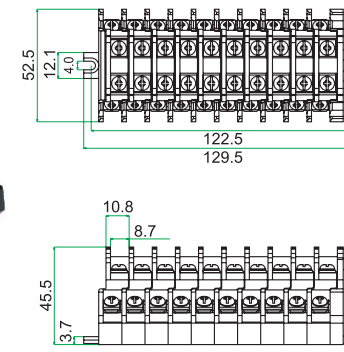
MBD-10



$L=21.5+8.7 \times n$ $L1=14.5+8.7 \times n$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	38.9	47.6	56.3	65	73.7	82.4	91.9	99.8	108.5	117.2	125.9
L1	31.9	40.6	49.3	58	66.7	75.4	84.1	92.8	101.5	110.2	118.9

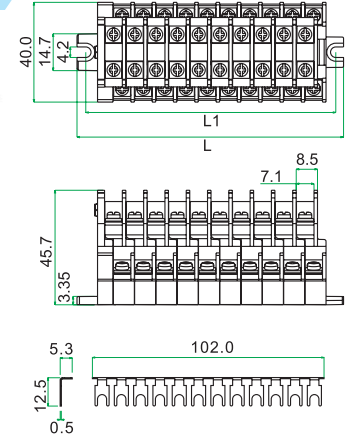
MBD-20



$L=21.5+10.8 \times n$ $L1=14.5+10.8 \times n$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	43.1	53.9	64.7	75.5	86.3	97.1	107.9	118.7	129.5	140.3	151.1
L1	36.1	46.9	57.7	68.5	79.3	90.1	100.9	111.7	122.5	133.3	144.1

MBDH-10 / MHD-10-12P



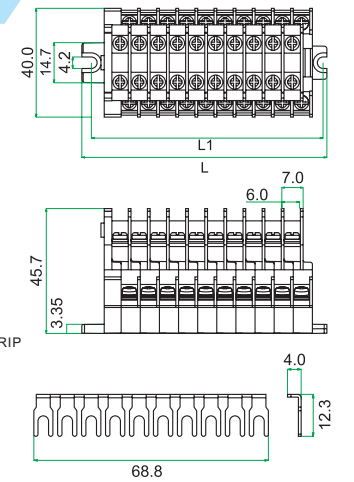
MHD-10-12P(MBDH-10 用)



$L=21.4+8.5 \times n$ $L1=14.8+8.5 \times n$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	38.4	46.9	55.4	63.9	72.4	80.9	89.4	97.9	106.4	114.9	123.4
L1	31.8	40.3	48.8	57.3	65.8	74.3	82.8	91.3	99.8	108.3	116.8

MBDS-15 / MHS-15-10P



MHD-10-12P TERMINAL STRIP

$L=19.7+7.0 \times n$ $L1=14.8+7.0 \times n$ No. of poles

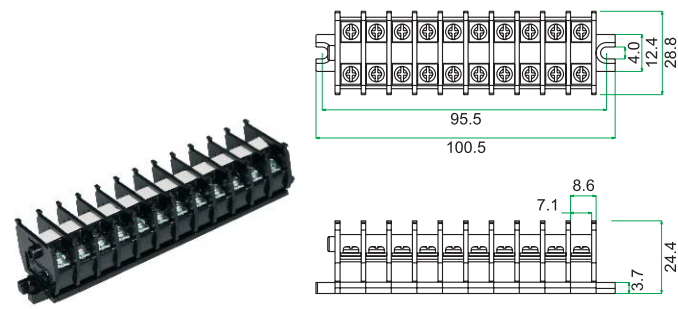
Poles	2	3	4	5	6	7	8	9	10	11	12
L	33.7	40.7	47.7	54.7	61.7	68.7	75.7	82.7	89.7	96.7	103.7
L1	28.8	35.8	42.8	49.8	56.8	63.8	70.8	77.8	84.8	91.8	98.8

TECHNICAL DATA

Item No.	Rated Voltage	Rated Current	Dielectric Strength	Insulation Resistance	Applicable Wire	Applicable Screw	Number of poles	Dimensions
MBC-10	600V	10A	1500V 1min	100MΩ Min	2mm ² MAX	M3	1Poles	23.1x28.8x24.4
MBC-20	600V	20A	1500V 1min	100MΩ Min	3.5mm ² MAX	M4	1Poles	26.1x31.5x24.4
MBC-30	600V	30A	1500V 1min	100MΩ Min	6mm ² MAX	M4	1Poles	28.5x36x24.4
MBR-10	600V	10A	1500V 1min	100MΩ Min	2mm ² MAX	M3	1Poles	11.8x41.7x32.5
MBR-20	600V	20A	1500V 1min	100MΩ Min	3.5mm ² MAX	M4	1Poles	13.6x41.7x32.5
MBR-30	600V	30A	1500V 1min	100MΩ Min	6mm ² MAX	M4	1Poles	16.1x41.7x32.5
MBD-10	600V	10A	1500V 1min	100MΩ Min	2mm ² MAX	M3	1Poles	30.2x52.5x45.5
MBDH-10	600V	10A	1500V 1min	100MΩ Min	2mm ² MAX	M3	1Poles	40x8.5x45.7
MBD-20	600V	20A	1500V 1min	100MΩ Min	3.5mm ² MAX	M4	1Poles	32.3x52.5x45.5
MBDS-15	600V	10A	1500V 1min	100MΩ Min	2mm ² MAX	M3	1Poles	40x7x45.7

MBC CASSETTE ASSEMBLY TERMINAL BLOCKS
MBR RAIL MOUNT TERMINAL BLOCKS

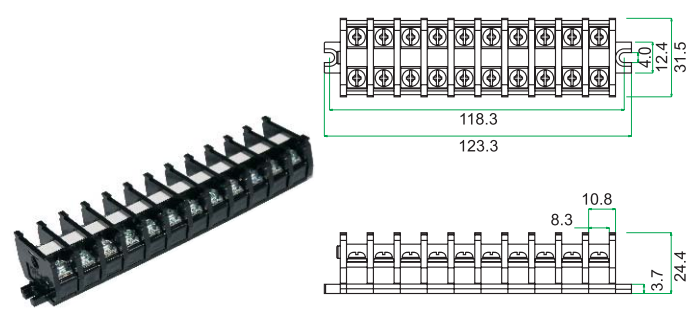
MBC-10



$L=14.5+8.6xn$ $L1=9.5+8.6xn$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	31.7	40.3	48.9	57.5	66.1	74.7	83.3	91.9	100.5	109.1	117.7
L1	26.7	35.5	43.9	52.5	61.1	69.7	78.3	86.9	95.5	104.1	112.7

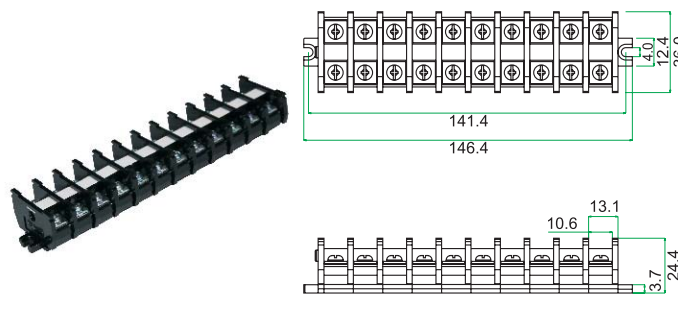
MBC-20



$L=15.3+10.8xn$ $L1=10.3+10.8xn$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	36.9	47.7	58.5	69.3	80.1	90.9	101.7	112.5	123.3	134.1	144.9
L1	31.9	42.4	52.7	64.3	75.1	85.9	96.7	107.5	118.3	129.1	139.9

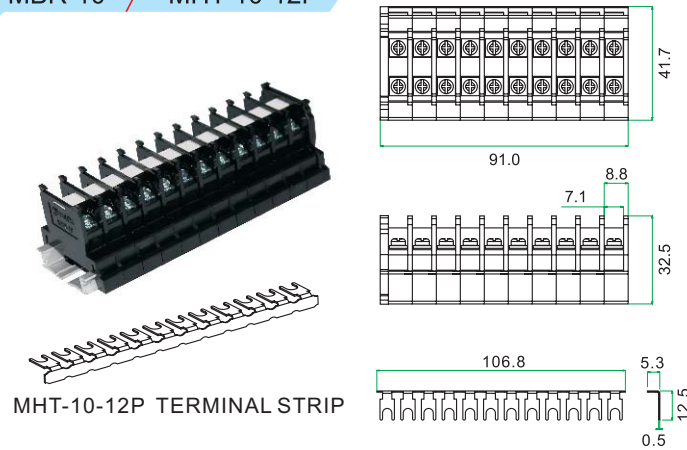
MBC-30



$L=15.4+13.1xn$ $L1=10.4+13.1xn$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	41.6	54.7	67.8	80.9	94	107.1	120.2	133.3	146.4	159.5	172.6
L1	36.6	49.7	62.8	75.9	89	102.1	115.2	128.3	141.4	154.5	167.6

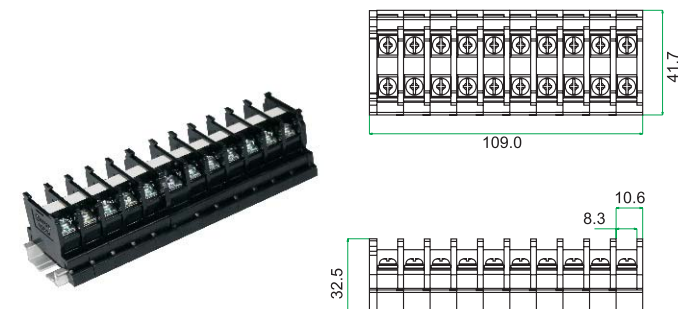
MBR-10 / MHT-10-12P



$L=3+8.8xn$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	20.6	29.4	38.2	47	55.8	64.6	73.4	82.2	91	99.8	108.6

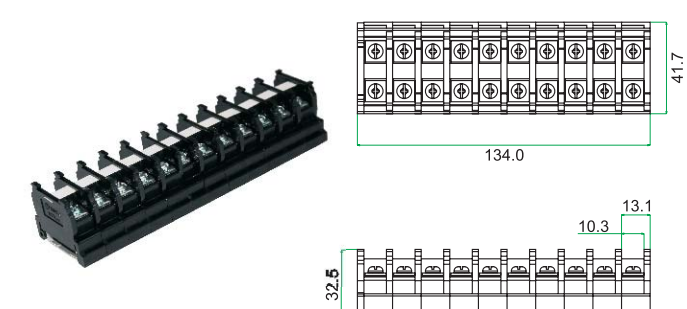
MBR-20



$L=3+10.6xn$ No. of poles

Poles	2	3	4	5	6	7	8	9	10	11	12
L	24.2	34.8	45.4	56	66.6	77.2	87.8	98.4	109	119.6	130.2

MBR-30

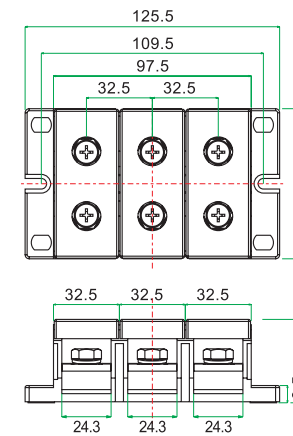


$L=3+13.1xn$ No. of poles

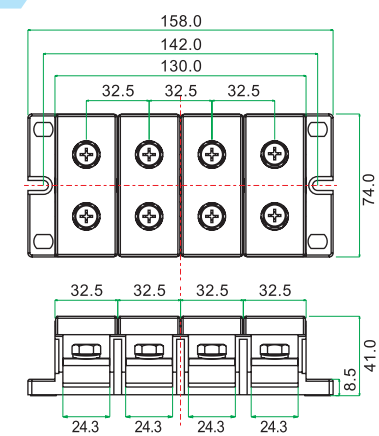
Poles	2	3	4	5	6	7	8	9	10	11	12
L	29.2	42.3	55.4	68.5	81.6	94.7	107.8	120.9	134	147.1	160.2

IN SERIES SCREW MOUNT TERMINAL BLOCKS

IN100K-C-3P-GD / 130A



IN100K-C-4P-GD / 130A

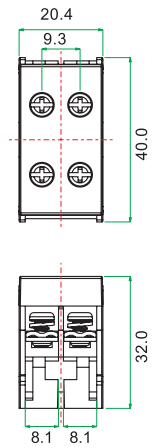


TECHNICAL DATA

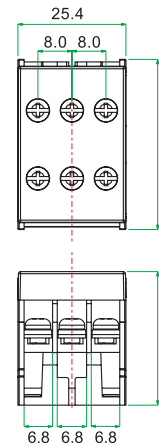
Item No.	Rated Voltage	Rated Current	Dielectric Strength	Insulation Resistance	Applicable Wire	Applicable Screw	Number of poles	Dimensions
IN13SBK-C-3P-GD	600V	20A	2500V 1min	100MΩ Min	2mm ² MAX	M3.5	3Poles	41.5x36.8x27.7
IN13SBK-C-4P-GD	600V	20A	2500V 1min	100MΩ Min	2mm ² MAX	M3.5	4Poles	49.5x36.8x27.7
IN20BK-C-3P-GD	600V	30A	2500V 1min	100MΩ Min	3.5mm ² MAX	M4	3Poles	51.4x37x26
IN20BK-C-4P-GD	600V	30A	2500V 1min	100MΩ Min	3.5mm ² MAX	M4	4Poles	62.6x37x26
IN411SB-C-3P-GD	600V	60A	2500V 1min	100MΩ Min	14mm ² MAX	M5	3Poles	78.7x48x32.5
IN411SB-C-4P-GD	600V	60A	2500V 1min	100MΩ Min	14mm ² MAX	M5	4Poles	94.8x48x32.5
IN60BK-C-3P-GD	600V	90A	2500V 1min	100MΩ Min	22mm ² MAX	M6	3Poles	94x56x36
IN60BK-C-4P-GD	600V	90A	2500V 1min	100MΩ Min	22mm ² MAX	M6	4Poles	116x56x36
IN100K-C-3P-GD	600V	130A	2500V 1min	100MΩ Min	38mm ² MAX	M8	3Poles	125.5x74x41
IN100K-C-4P-GD	600V	130A	2500V 1min	100MΩ Min	38mm ² MAX	M8	4Poles	158x74x41
MNH-30W	600V	30A	2500V 1min	100MΩ Min	5.5mm ² MAX	M3	1Poles	(21xn+5)x41.2x40

IN SERIES DIN RAIL MOUNT TERMINAL BLOCKS

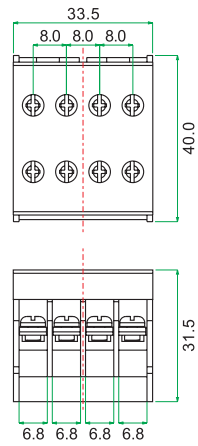
IN12BK-C / 20A



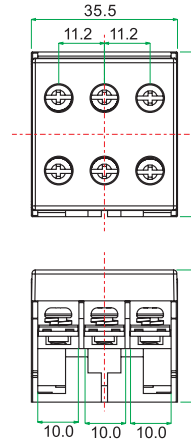
IN13SBK-C / 20A



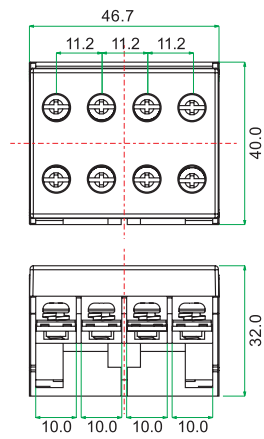
IN13SBK-C-4P / 20A



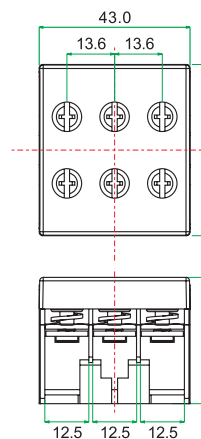
IN20BK-C / 30A



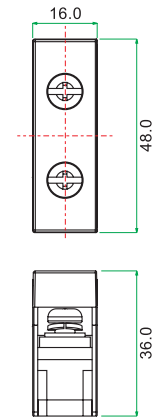
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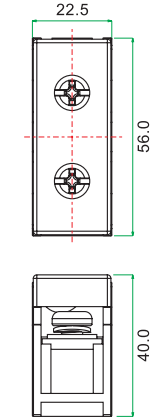
IN30BK-C / 50A



IN411SB-C / 60A

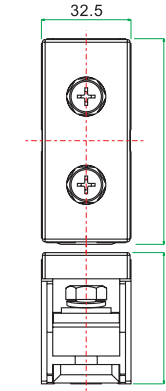


IN60BK-C / 90A

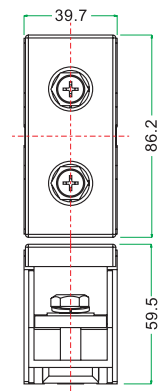


IN SERIES DIN RAIL MOUNT TERMINAL BLOCKS

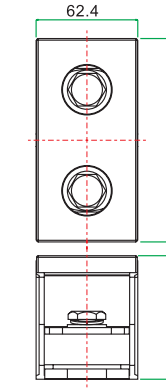
IN100K-C / 130A



IN200K-C / 240A



IN400K-C / 370A



END STOPPER



INTBR-H



INTBR-F



MBC-F

INTBR-N RAIL (IN SERIES)



MBC-G RAIL (MBC SERIES)



TECHNICAL DATA

Item No.	Rated Voltage	Rated Current	Dielectric Strength	Insulation Resistance	Applicable Wire	Applicable Screw	Number of poles	Dimensions
IN12BK-C	600V	20A	2500V 1min	100MΩ Min	2mm ² MAX	M3.5	2Poles	40x20.4x32
IN13SBK-C	600V	20A	2500V 1min	100MΩ Min	2mm ² MAX	M3.5	3Poles	40x25.4x31.5
IN13SBK-C-4P	600V	20A	2500V 1min	100MΩ Min	2mm ² MAX	M3.5	4Poles	40x33.5x31.5
IN20BK-C	600V	30A	2500V 1min	100MΩ Min	3.5mm ² MAX	M4	3Poles	40x35.5x32
IN20BK-C-4P	600V	30A	2500V 1min	100MΩ Min	3.5mm ² MAX	M4	4Poles	40x46.7x32
IN30BK-C	600V	50A	2500V 1min	100MΩ Min	8mm ² MAX	M5	3Poles	48.8x43x36
IN411SB-C	600V	60A	2500V 1min	100MΩ Min	14mm ² MAX	M5	1Poles	48x16x36
IN60BK-C	600V	90A	2500V 1min	100MΩ Min	22mm ² MAX	M6	1Poles	56x32.5x40
IN100K-C	600V	130A	2500V 1min	100MΩ Min	38mm ² MAX	M8	1Poles	74.6x32.5x47.6
IN200K-C	600V	240A	2500V 1min	100MΩ Min	100mm ² MAX	M10	1Poles	86.2x39.7x59.5
IN400K-C	600V	370A	2500V 1min	100MΩ Min	200mm ² MAX	M12	1Poles	124.8x62.4x75.8