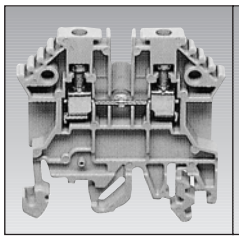
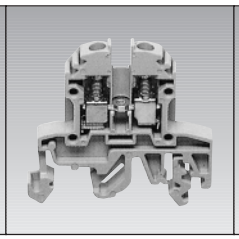
IMO

DIN Rail Terminal Blocks Selection Chart

Standard Range Feed-Through Terminal Blocks



SR2.5
50412962
page 59



SRU2.5
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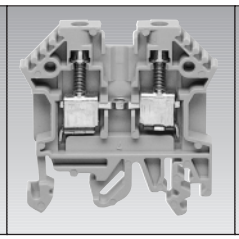
page 59



SR4
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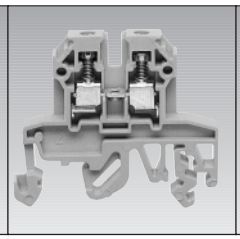
page 59



SRU4
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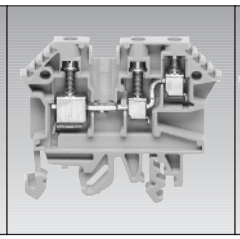

SR4DR
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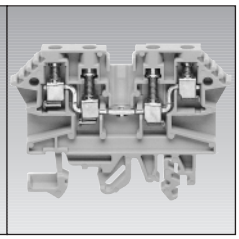

SR4DLR
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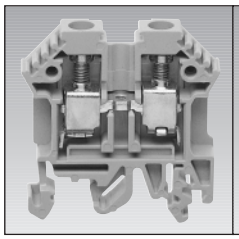

SR6-10
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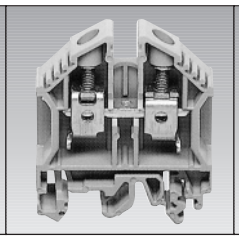

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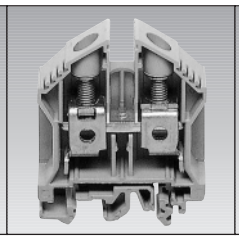
page 59



SR35
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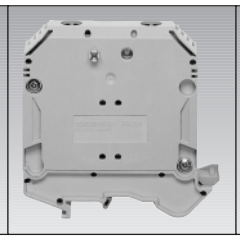
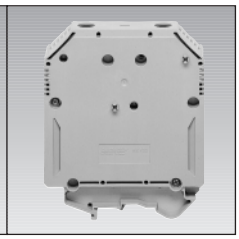


SR50
50411202
page 60

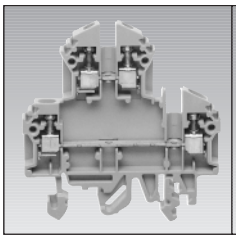
SR95
50411222
page 60



SR150
50411242
page 60

Double Level Terminal Blocks

SR240
50411262
page 60



SRD2.5
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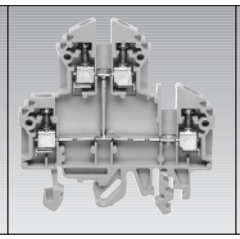
page 61



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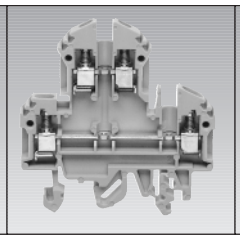
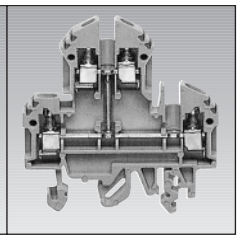
page ∗

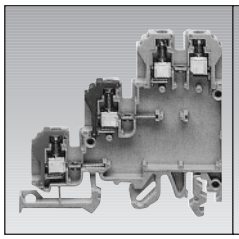


SRD4
50410202
page 61

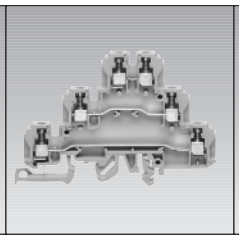


SRD4V
50410272
page ∗

Triple Level Terminal and Sensor Blocks



SRI2.5
50412602
page 61



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50412612
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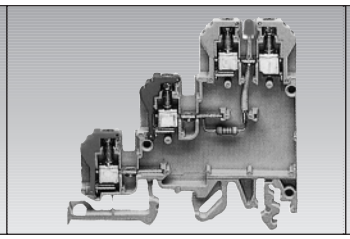
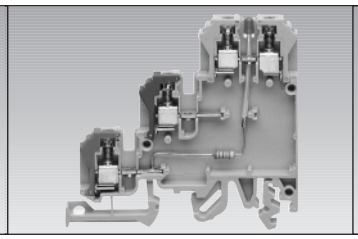


SRI2.5 PNP

	RED LED	GREEN LED
24VDC	50412622	50412632
48VDC	50412712	50412722
60VDC	50412732	50412742
220VAC	50412752	50412762

page ∗



SRI2.5 NPN

	RED LED	GREEN LED
24VDC	50412642	50412652
48VDC	50412772	50412782
60VDC	50412792	50412802
220VAC	50412812	50412822

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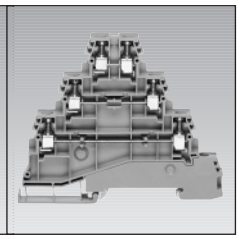
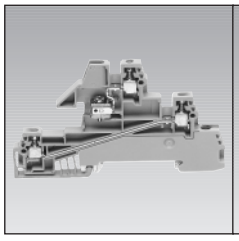
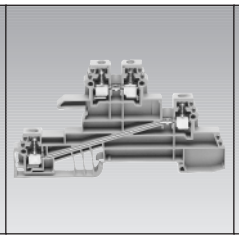


SRMA2.5 T35
50414252
page 62

Triple Level Installation Terminal Blocks



SRDIS2.5-PE-L-NT
50414102
page ∗



SRDIS2.5-PE-L-N
50414112
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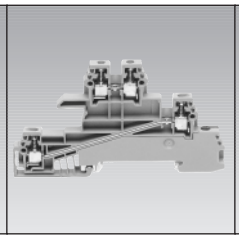
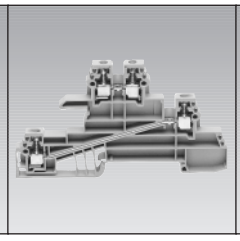
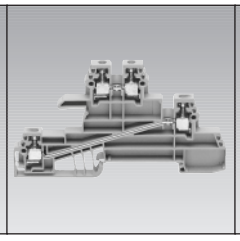


SRDIS2.5-PE-L-L
50414122
page ∗



SRDIS2.5-L-N
50414132
page ∗



SRDIS2.5-L-L
50414142
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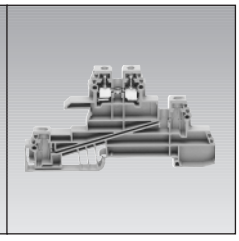
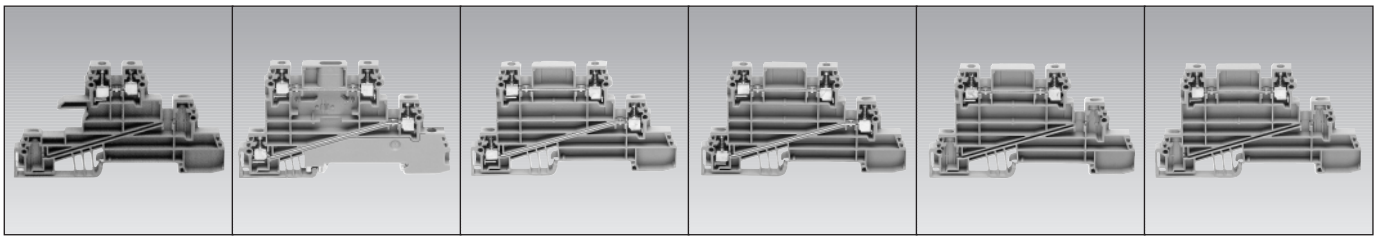


SRDIS2.5-N
50414152
page ∗

∗ Contact IMO for further information

Triple Level Installation Terminal Blocks



SRDIS2.5-L
50414162
page ∗

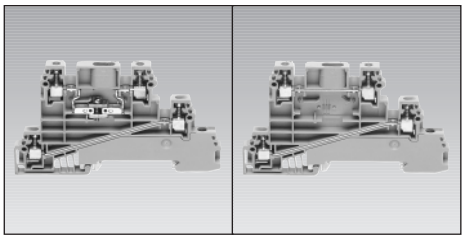
SRDI2.5-PE-L-L
50414192
page ∗

SRDI2.5-L-N
50414202
page ∗

SRDI2.5-L-L
50414212
page ∗

SRDI2.5-N
50414222
page ∗

SRDI2.5-L
50414232
page ∗



SRDI2.5-PE-L-NT
50414172
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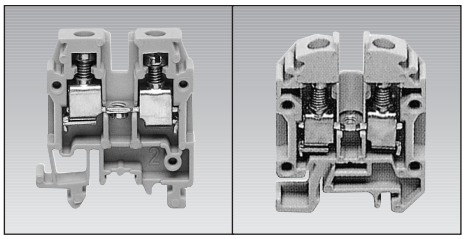
SRDI2.5-PE-L-N
50414182
page ∗

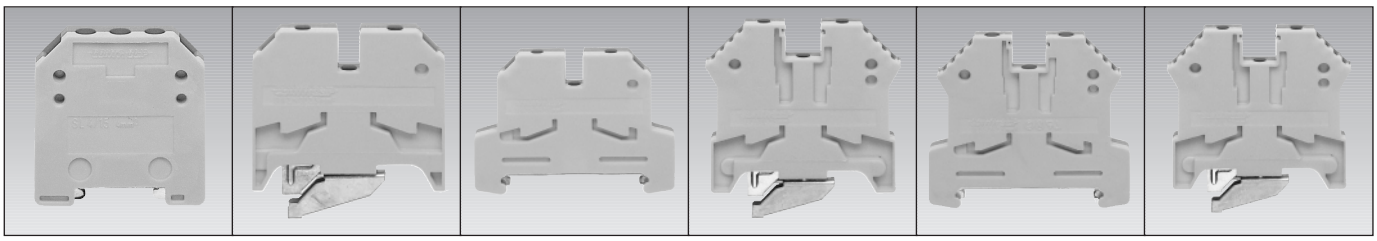
Mini Feed-through Terminal



SR2.5-T15
50410352
page ∗

SR4-T15
50410102
page ∗

Earth Terminal Blocks



SRSL4-T15
50410642
page ∗

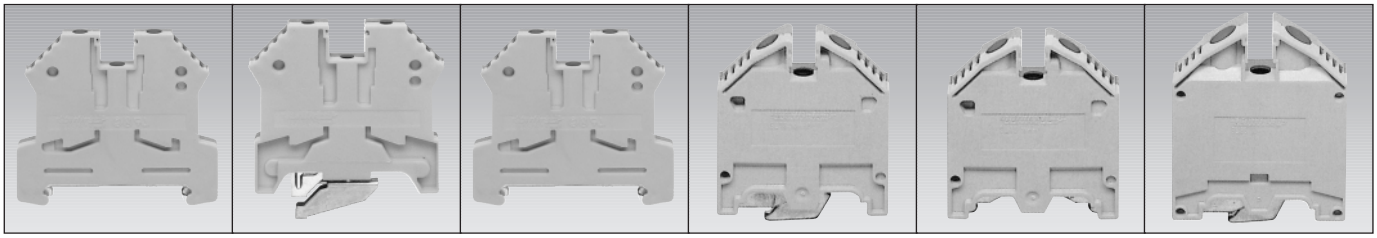
SRSLN2.5-T32
50410572
page 62

SRSLN2.5-T35
50410582
page 62

SRSL2.5-T32
50410552
page 62

SRSL2.5-T35
50410562
page 62

SRSL4-T32
50410652
page 62



SRSL4-T35
50412122
page 62

SRSL10-T32
50410662
page 62

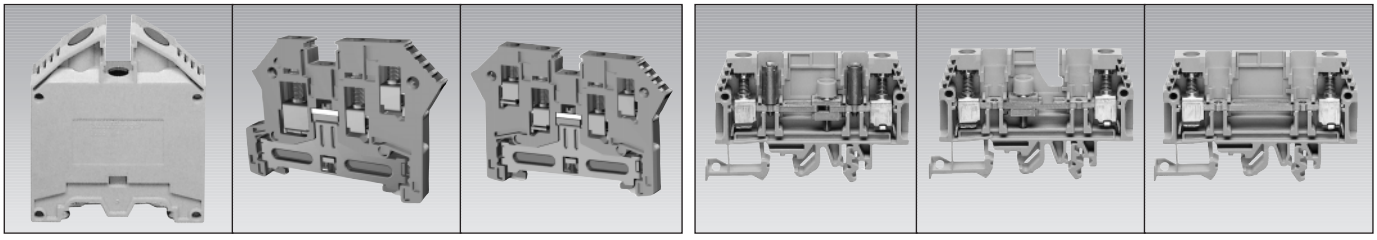
SRSL10-T35
50412132
page 62

SRSL16-T32
50411962
page 62

SRSL16-T35
50411972
page 62

SRSL35-T32
50411982
page 62

Test Disconnect Terminal Blocks



SRSL35-T35
50410622
page 62

SRSL2.5-T35DR
50410602
page 62

SRSL2.5-T35DRL
50410622
page 62

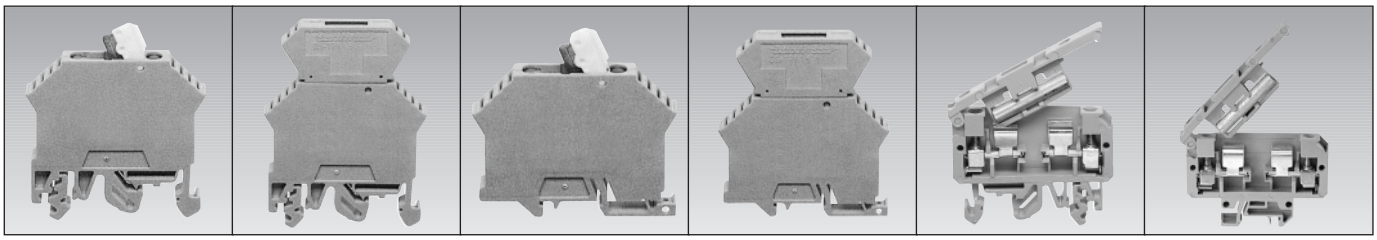
SRPL10
50411302
page ∗

SRPQ10
50411322
page ∗

SRPD10
50411342
page ∗

∗ Contact IMO for further information

Disconnect Terminal Blocks



SRT4-M
50413902
page 62

SRT4-S
50413942
page ∗

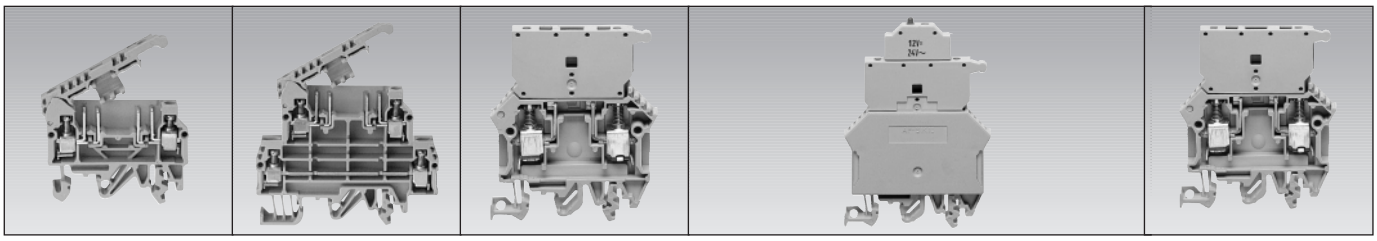
SRT4-T15-M
50413922
page ∗

SRT4-T15-S
50413962
page ∗

SRT4-H
50421932
page ∗

SRT4-15-H
50421942
page ∗

Fuse Terminal Blocks



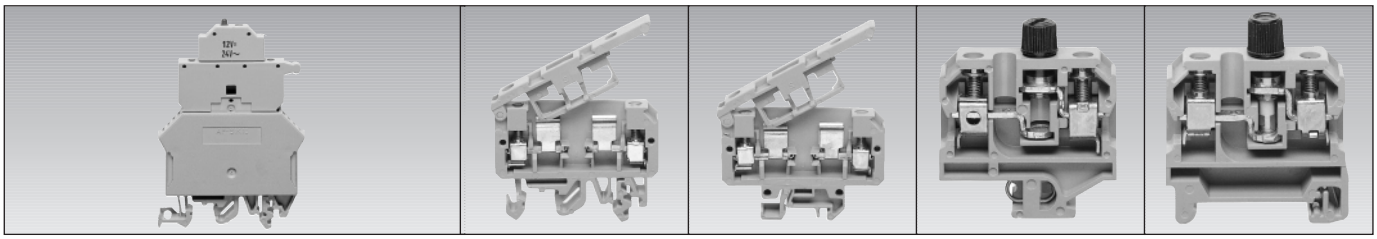
SRSI4-2
50410782
page ∗

SRSI4P
50410792
page ∗

SRSI10-E
50411012
page ∗

SRSI10-LED
50411032 12V-/24V~
50411042 20-30V-/40-60V~
50411052 40-60V-/80-120V~
50411062 115V-/230V~
50411072 2 LEDs 24V-
page ∗

SRSI10-E-Z
5041102.2
page ∗



SRSI10-Z-LED
50411082 12V-/24V~
50411092 20-30V-/40-60V~
50411102 40-60V-/80-120V~
50411112 115V-/230V~
50411122 2 LEDs 24V-
page ∗

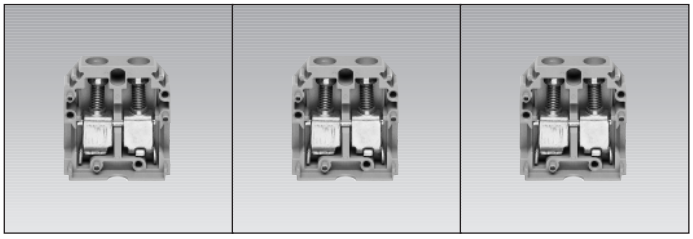
SRSI4-H
50421902
page 62

SRSI4-T15-H
50421912
page ∗

SRSI10-T32-K
50410906
page ∗

SRSI10-T35-K
50410926
page 62

Panel Mount Feed-through Terminal Blocks



SRMB2.5
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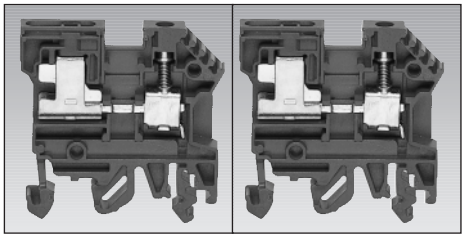
page ∗

SRMB4
50421582
page ∗

SRMB10
50414972
page ∗

Neutral Disconnect Terminal Blocks



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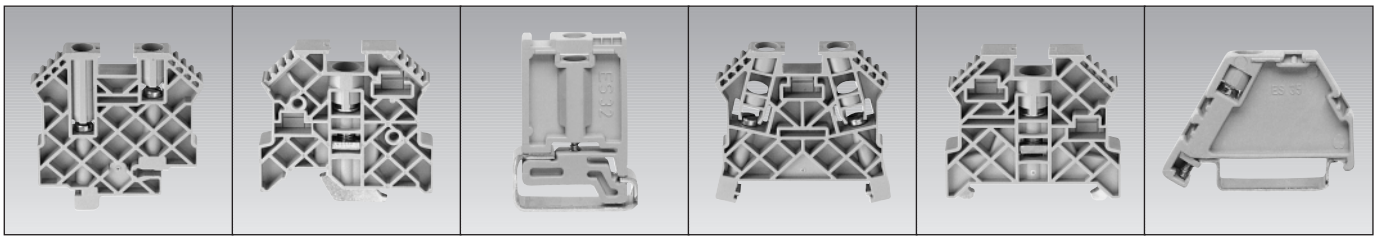
SRNT10
50412155
page ∗

∗ Contact IMO for further information

End Stop Brackets



ES32/2/K
5028252
page ∗

ES32/K/ST
5028270
page ∗

ES32
5020042
page ∗

ES35/2/K
5028262
page 59

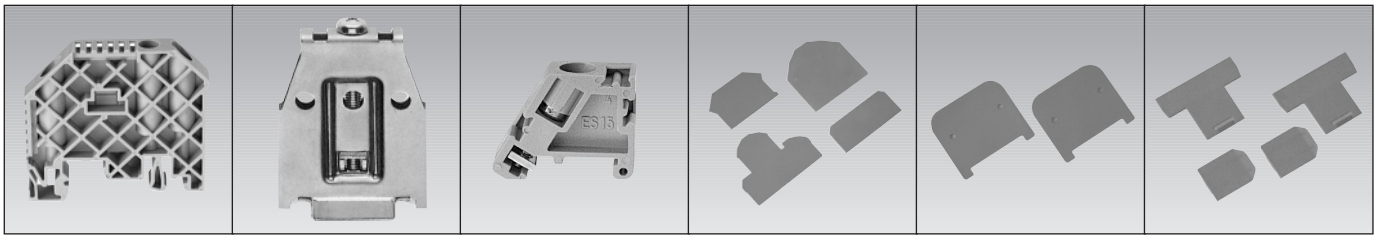
ES35/K/ST
5028280
page 60

ES35
5020052
page 59

End Plates

Isolation Partitions

Separators



ES32/35
5014242
page ∗

HES35ST
5027610
page 60

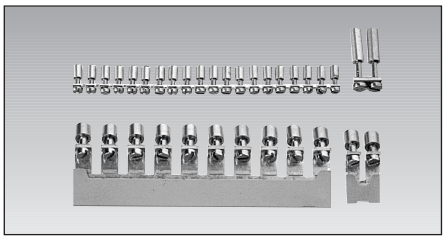
ES15
5020742
page ∗

AP.....
page ∗

TW.....
Contact IMO for full part references
page ∗

TRS.....
page ∗

Cross-Connection Systems



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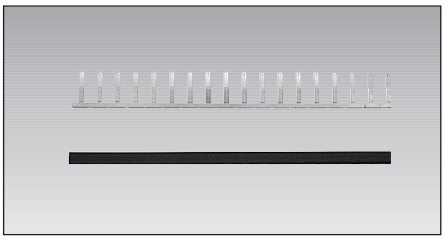
External Jumper Bars



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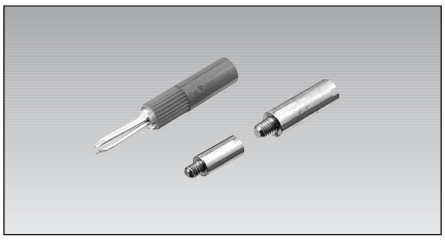
Test Plugs and Sockets



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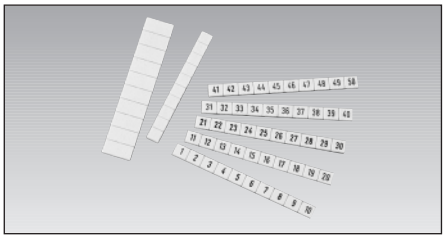
Marking System



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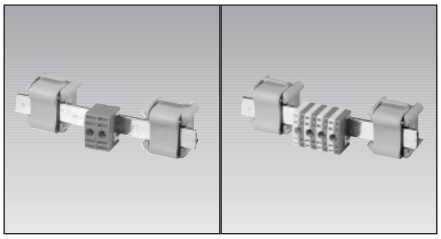
Connection Bars



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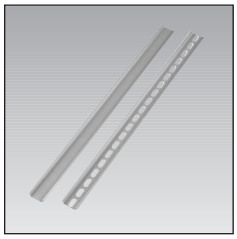
Cover Plates

page ∗

DIN Rail



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MATERIALS

A Metal

All metal parts used are electroplated to the latest state of engineering. In a two step process, steel parts are initially zinc plated and then an additional yellow chromate finish is deposited over the zinc providing the best possible passivation. Parts made of copper or brass are generally tin-plated providing excellent protection against corrosion.

B Insulating Material

Polyamide 6.6 is the most employed material. This modern material is now indispensable for terminal blocks. It has today a dominating position and is approved by all approval authorities such as CSA, UL, SEV, VDE, Demko etc. Polyamide 6.6 has a semi-crystalline molecular structure, which means that it has very good electrical, mechanical and other characteristics which are guaranteed even at constant temperatures as high as 100°C and excludes ageing due to heat influences. Polyamide 6.6 absorbs the moisture from its surroundings at a mean level of 2.8%. This makes the plastic material elastic and fracture proof, even at temperatures as low as -40°C. Polyamide 6.6 is self-extinguishing and difficult to ignite according to VDE and ASTM.

C COMBINATION FOOT

IMO Din rail terminals are generally equipped with a combination foot which guarantees a perfect mounting of the terminal blocks on mounting rails, TS35 x 7.5 and TS35 x 15 according to DIN50022 and on mounting rails TS32 according to DIN EN50035.

D CONNECTION SYSTEM

Screw Connection

The most popular of all known connection methods is the screw connection. The advantage of the screw connection is that it is suitable for all cross sections and types of conductors which means the IMO system is suitable for direct connection of solid, stranded and flexible conductors without special preparation.

Security of Clamping Screws

As all metal parts, the hardened steel clamping screws are captive in the insulating body.

Clamping Yoke Systems

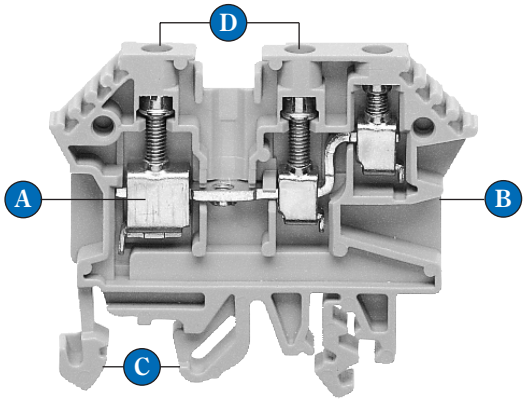
IMO employs two different types of clamping yoke systems which have been proven millions of times, world wide. The design which is used up to connection cross sections of 10mm² creates a so called 'elastic frame' due to the structure combined with the bus bar so that in conjunction with the necessary torques a high contact pressure and vibration resistance is generated. Upwards from 16mm² connection cross section, when tightening the clamping screw the resultant force causes the upper thread overlap to spring open, thus causing a retarding effect on the screw and an excellent resistance against vibration is achieved. Both systems are the same in the sense that the clamp presses the conductor against the bus bar, which is made of copper or high grade brass. With the hardened clamping yoke and clamping screw, the necessary contact force and a gas tight vibration protected connection is produced between the conductor and current bar.

Guidance of Screw Driver

Since the clamping screws have a recessed seat in the cylindrical hole of the insulating body the blade of the screw driver is guided straight to the screw head and 'sliding-off' from the screw is prevented. This is especially important when using electrically or pneumatically operated screw drivers.

Protected Wire Inlet

Through a funnelled wire inlet the conductor can automatically be inserted to the clamping yoke. Therefore fine stranded or stranded wire, even without being provided with ferrules, can be inserted easily and safely without problems.



STANDARDS AND APPROVALS

IMO Din Rail Terminal Blocks are manufactured in accordance to EN60947-7-1. They carry such approvals as UL, CSA, Nemko, SEV etc.