Series 15300 RTMR

E·T·N
Powering Business Worldwide

Power distribution

PDM

15300 RTMR

Rear Terminal Mini Fuse & Relay

The Rear Terminal Mini Fuse and Relay panel (RTMR) provides efficient power distribution in a rugged compact form for applications in marine, construction, agriculture, heavy trucking, specialty vehicles, etc. This innovative product offers a weather tight enclosure (IP66) for various MINI (2.8mm) blade components when cover, cable seals, and cavity plugs are installed. It is available with various degrees of internal electrical bussing. Additionally, custom labels and multiple hardware configurations are available to solve any application need.

Specifications

Input Terminal Rating: M6 input studs on bussed/partially bussed inputs: 80A max input on bussed fuse side, 80A max input on bussed relay side.
Output Terminal Rating: 2.8mm blade terminals (30A max per terminal)
Temperature Rating: -40°C (-40°F) to 125°C (260°F) (rating on PDM only)
Materials: Black thermoplastic housing; Tin-plated copper internal bussing; Bright nickel-plated brass studs (on bussed versions).
Termination: Delphi Packard Metri-Pack® 280 Series terminals (sealed/**tangless**).* Delphi Packard 280 Series cavity plugs are installed where wires are not used.* Accepts #12-22 AWG wire sizes.

*Electrical terminals, cable seals & cavity plugs are NOT supplied by Eaton

Torque Rating: 50 in-lbs (5.5N•m) max.
Mounting Torque Rating: #10-32 or M5 threaded inserts; 24 in-lbs (2.7N•m) max torque.
Ingress Protection Rating: IP66-IEC 60529 (Valid when properly installed with cover, sealed terminals, and cavity plugs.)

Options

End Caps: Protective silicone end caps available for studded versions.
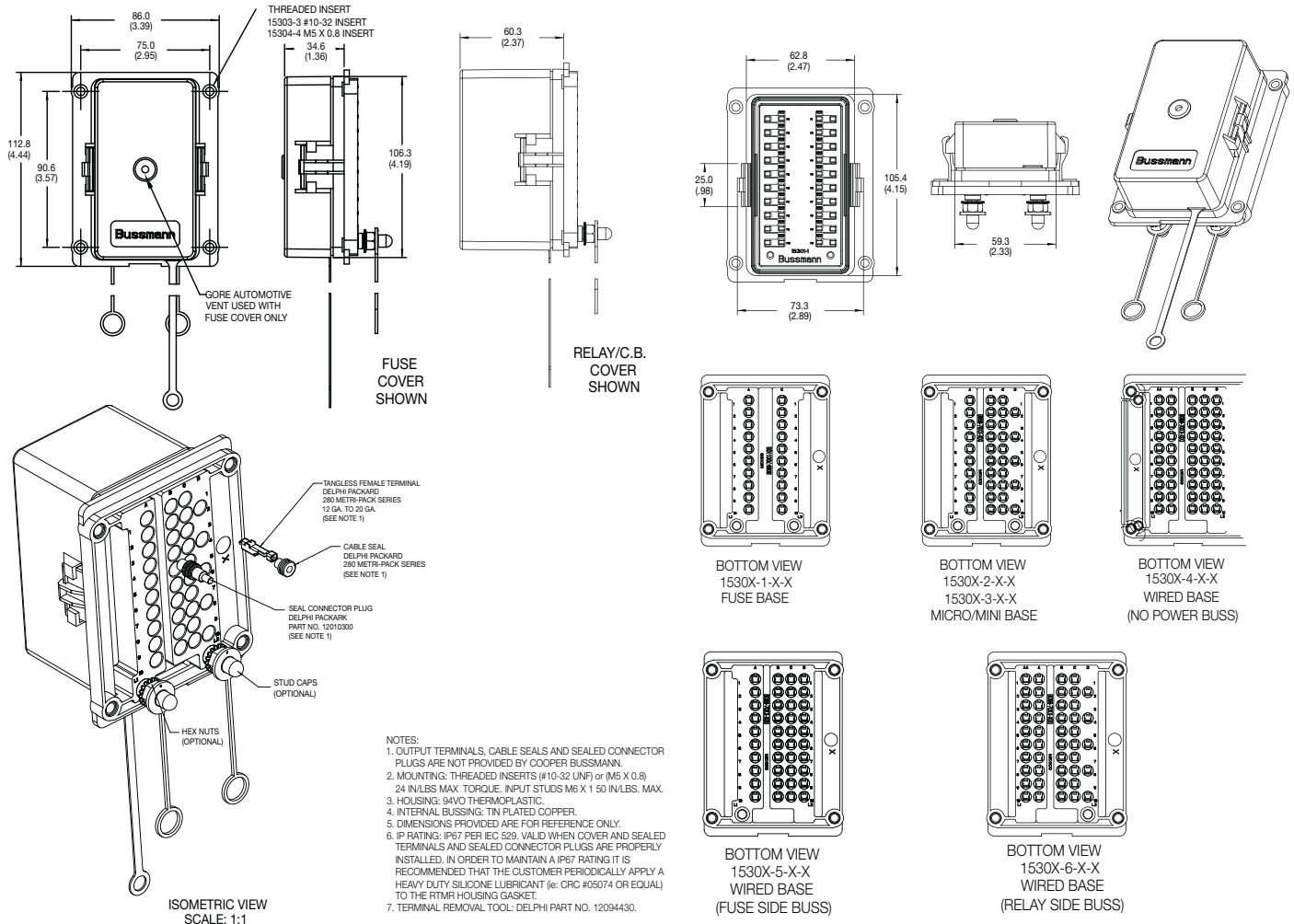**Mounting:** Mounting brackets available for surface-mounting RTMR. (See page 41.)
Labels: Consult factory for custom label options.
Replacement Accessories: Consult factory for available service parts.
Cover Marking: Laser etching on inside, outside, or both

Series 15300 RTMR

Dimensions - mm(in) (Dims. shown are for reference only. Consult factory for latest prints)

86.0 (3.39)
75.0 (2.95)
112.8 (4.44)
90.6 (3.57)

THREADED INSERT
15303-3 #10-32 INSERT
15304-4 M5 X 0.8 INSERT

34.6 (1.36)
106.3 (4.19)

GORE AUTOMOTIVE
VENT USED WITH
FUSE COVER ONLY

FUSE
COVER
SHOWN

60.3 (2.37)

RELAY/C.B.
COVER
SHOWN

62.8 (2.47)
25.0 (.98)
105.4 (4.15)
73.3 (2.89)

59.3 (2.33)

TANGLESS FEMALE TERMINAL
DELPHI PACKARD
280 METRI-PACK SERIES
12 GA. TO 20 GA.
(SEE NOTE 1)

CABLE SEAL
DELPHI PACKARD
280 METRI-PACK SERIES
(SEE NOTE 1)

SEAL CONNECTOR PLUG
DELPHI PACKARK
PART NO. 12010300
(SEE NOTE 1)

STUD CAPS
(OPTIONAL)

HEX NUTS
(OPTIONAL)

ISOMETRIC VIEW
SCALE: 1:1

BOTTOM VIEW
1530X-1-X-X
FUSE BASE

BOTTOM VIEW
1530X-2-X-X
1530X-3-X-X
MICRO/MINI BASE

BOTTOM VIEW
1530X-4-X-X
WIRED BASE
(NO POWER BUSS)

BOTTOM VIEW
1530X-5-X-X
WIRED BASE
(FUSE SIDE BUSS)

BOTTOM VIEW
1530X-6-X-X
WIRED BASE
(RELAY SIDE BUSS)

NOTES:
1. OUTPUT TERMINALS, CABLE SEALS AND SEALED CONNECTOR
   PLUGS ARE NOT PROVIDED BY COOPER BUSSMANN.
2. MOUNTING: THREADED INSERTS (#10-32 UNF) or (M5 X 0.8)
   24 IN/LBS MAX TORQUE. INPUT STUDS M6 X 1 50 IN/LBS. MAX.
3. HOUSING: 94VO THERMOPLASTIC.
4. INTERNAL BUSSING: TIN PLATED COPPER.
5. DIMENSIONS PROVIDED ARE FOR REFERENCE ONLY.
6. IP RATING: IP67 PER IEC 529. VALID WHEN COVER AND SEALED
   TERMINALS AND SEALED CONNECTOR PLUGS ARE PROPERLY
   INSTALLED. IN ORDER TO MAINTAIN A IP67 RATING IT IS
   RECOMMENDED THAT THE CUSTOMER PERIODICALLY APPLY A
   HEAVY DUTY SILICONE LUBRICANT (ie: CRC #05074 OR EQUAL)
   TO THE RTMR HOUSING GASKET.
7. TERMINAL REMOVAL TOOL: DELPHI PART NO. 12094430.

Part Numbering System

Series	Mounting	Base Options		Hardware Options	Cover Options	Marking Options
1 5 3 0	☐	— ☐		☐ —	☐	☐

Mounting:
3 - #10-32 Insert (English)
4 - M5x0.8 Insert (Metric)

Base Options:
1 - Fuse/C.B. Base (For 20 Fuses/C.B.)
2 - Micro Relay Base (For 5 Micro Relays W/ 10 Fuses/C.B.)*
3 - Mini Relay Base (For 3 Mini Relays W/10 Fuses/C.B.)*
4 - Wired Base (Non Bussed) (No Input Studs) (For Fuses/C.B. And Relays)
5 - Wired Base (Input Stud Fuse Side Only) (For Fuses/C.B. And Relays)
6 - Wired Base (Input Stud Relay Side Only) (For Fuses/C.B. And Relays)*
*Input stud bussed to pin 86 on relay

Hardware Options:
0 - No Nuts
1 - Nuts (Shipped Bulk)
2 - Nuts (Shipped Assembled)
2 - Nuts (Shipped Assembled)
3 - Stud Caps (Shipped Bulk)
4 - Stud Caps (Shipped Assembled)
5 - Nuts And Stud Caps (Shipped Bulk)
6 - Nuts And Stud Caps (Shipped Assembled)

Cover Options:
0 - No Cover
3 - Fuse Cover
4 - Relay/c.b. Cover

Marking Options:
Special Labels
Consult Factory

RTMR Stud End Cap
B 0 6 6 — 7 0 0 8

Mounting Brackets
B 0 2 8   7 0 1 2 — ☐
O – Plated steel
P– Stainless steel

Material

Latch Position Assurance
1 5 3 0 0 — L P

EA+ON Controls and Power Conversion Division

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Eaton](#):

[15303-4-0-4](#) [15303-2-2-4](#) [15303-5-5-4](#)