

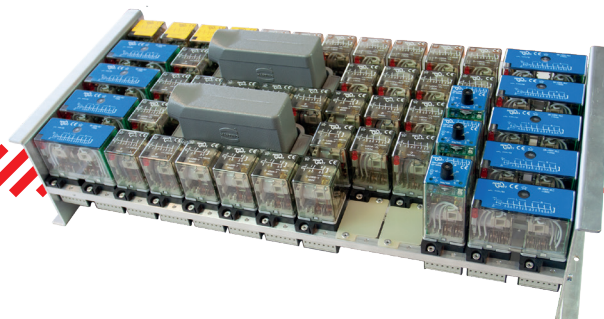


Prioritizing
safety
through
protection
& control



HDRM

High Density Relay Module



Extreme compact and reliable relay module with a flexible design and fast delivery.

Solutions for every application

Short project lead time and last minute design changes call for flexible electrical circuit solutions. Space- and weight issues call for compact, light weight solutions.

Maximizing rolling stock operational up time call for large line replaceable units.

The answer is the High Density Relay Module (HDRM) by Mors Smitt.

- Relay / contactor panels
- Electrical distribution boards
- Relay door control
- Platform edge detection
- Brake fault detection
- Light control



Customer benefits:

- + Extremely compact, space saving
- + Line replaceable unit, efficient maintenance through integrated connectors
- + Tried and tested, railway proof
- + Flexible commissioning (through easy wiring)
- + Short delivery period, less down time

**Compliances**

- EN 50155 Electronic equipment used on rolling stock
- EN 50264-1 Rolling stock power & control cables
- IEC 60571 Electronic equipment used on railway vehicles
- IEC 60077 Electrical equipment for rolling stock
- IEC 60947 Low voltage switchgear and control gear
- IEC 61373 Rolling stock equipment - Shock & Vibration
- EN 50121 Electromagnetic compatibility for railway applications
- IEC 60529 Protection class (IP class)
- IEC 60068-2 Salt/mist, damp/heat
- NF F16-101/102 Fire behaviour - Railway rolling stock
- EN 45545-2 Fire protection on railway vehicles – category HL2

Product specifications

Up to 168 C/O contacts, 1 mA - 10 A @110 VDC

10 A continuous current on ALL circuits

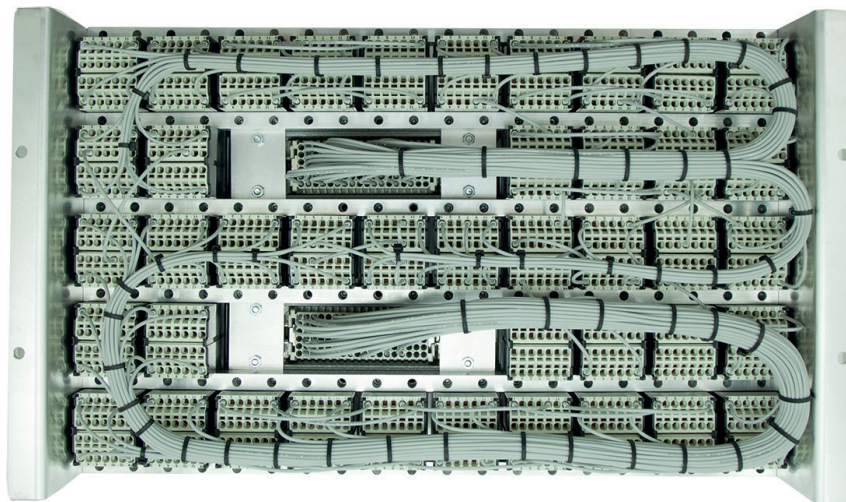
Coil voltages range from 12 – 250 VDC

Wide choice of time delay options

Point-to-point wired connections

1000 VDC insulation test on all connections

100% fully functional test according schematics



www.wabteccorp.com/transit-rail/electrical-solutions

To discover everything HDRM can do, contact

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