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

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

**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, lightweight solutions.
- Maximizing rolling stock operational up time calls for large line replaceable units.
- The answer all these challenges and more: Wabtec’s High Density Relay Module (HDRM).

<table>
<thead>
<tr>
<th>Relay / contactor panels</th>
<th>Platform edge detection</th>
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<tr>
<td>Electrical distribution boards</td>
<td>Brake fault detection</td>
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<tr>
<td>Relay door control</td>
<td>Light control</td>
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**PRODUCT SHEET**

**COMPLIANT:**
- EN 50155  
  Electronic equipment used on rolling stock  
- EN 50264-1  
  Rolling stock power and 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 and 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 behavior - 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  

**CONTACT**

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