**Intrinsically Safe Barriers**

- Approved for use in hazardous areas
- Designed to mount on most standard DIN rails

**FEATURES/BENEFITS**

- Simplifies installation and maintenance.
- Galvanic barrier eliminates the need for a high integrity earth ground required when using shunt type diode type safety barriers.

**APPLICATIONS**

- For communication with Dwyer® intrinsically safe transmitters approved for use in hazardous areas.

**SPECIFICATIONS**

- **Hazardous Area Input:** Signal range: 4 to 20 mA (including over-range); Transmitter voltage: ≥ 16 V for supply voltage > 21 V.
- **Safe Area Output:** Signal range: 4 to 20 mA; Transmitter voltage: ≤ 30 VDC; Response time: ≤ 20 µs at 0, and ≤ 600 µs at 800 load.
- **Maximum Power Dissipation:** 150 mW
- **Temperature Limits:** -4 to 140°F (-20 to 60°C).
- **Temperature Drift:** ≤ 0.5 µA/°C.
- **Humidity:** 5% to 95% RH.

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-360</td>
<td>Aluminum DIN rail 1 m</td>
<td>$38.30</td>
</tr>
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</table>

**MODEL CHART**

<table>
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<tr>
<th>Model</th>
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<tbody>
<tr>
<td>MTL5541</td>
<td>Galvanic barrier</td>
<td>$790.00</td>
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3/ Items are subject to Schedule B discounts.

**COMPATIBLE MODELS:** 608, SBLTX, PBLTX, IS626

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**SERIES MTL5541**

**GALVANIC BARRIER**

**Intrinsically Safe Isolators for Hazardous Locations**

**APPLICATIONS**

- Used to isolate voltages for intrinsically safe applications for HHT series

**SPECIFICATIONS**

- **Hazardous Area Input:** Signal range: 4 to 20 mA (including over-range); Transmitter voltage: ≥ 16 V for supply voltage > 21 V.
- **Safe Area Output:** Signal range: 4 to 20 mA; Transmitter voltage: ≤ 30 VDC; Response time: ≤ 20 µs at 0, and ≤ 600 µs at 800 load.
- **Maximum Power Dissipation:** 150 mW
- **Temperature Limits:** -4 to 140°F (-20 to 60°C).
- **Temperature Drift:** ≤ 0.5 µA/°C.
- **Humidity:** 5% to 95% RH.

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<tbody>
<tr>
<td>KFD0-SCS-EX1.55</td>
<td>Loop powered galvanic barrier</td>
<td>FM for class I, zone 1, groups IIC, IIB, IIA, class I, II, III, div. 2, groups A, B, C, D, F, G</td>
<td>$494.00</td>
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**GALVANIC BARRIER**

**Loop Powered, Intrinsically Safe Isolators**

The Model KFD0 Loop Powered Galvanic Barrier provides complete isolation for communication with Dwyer® intrinsically safe transmitters approved for use in hazardous areas. This galvanic barrier eliminates the need for a high integrity earth ground required when using shunt type diode type safety barriers. Unlike most other isolators, the Model KFD0-SCS-EX1.55 does not require external power and has a low current draw.

**FEATURES/BENEFITS**

- Designed to mount on most standard DIN rails
- Approved for use in hazardous areas

**APPLICATIONS**

- Used to isolate voltages for intrinsically safe applications for HHT series

**SPECIFICATIONS**

- **Hazardous Area Input:** Signal range: 4 to 20 mA (including over-range); Transmitter voltage: ≥ 16 V for supply voltage > 21 V.
- **Safe Area Output:** Signal range: 4 to 20 mA; Transmitter voltage: ≤ 30 VDC; Response time: ≤ 20 µs at 0, and ≤ 600 µs at 800 load.
- **Maximum Power Dissipation:** 150 mW
- **Temperature Limits:** -4 to 140°F (-20 to 60°C).
- **Temperature Drift:** ≤ 0.5 µA/°C.
- **Humidity:** 5% to 120 g.

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