Intrinsically Safe Barriers

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

APPLICATIONS
- Approved for use in hazardous areas

KFD0-SCSEX1.55 does not require external power and has a low current draw. Using shunt type diode type safety barriers. Unlike most other isolators, the Model galvanic barrier eliminates the need for a high integrity earth ground required when using shunt type diode type safety barriers. DIN rail mounting and plug-in signal and power connectors simplify installation and maintenance.

BENEFITS/FEATURES
- Safe to use in hazardous locations
- Easy snap-in installation for most DIN rails
- Power connectors simplify installation and maintenance.

SPECIFICATIONS
- Hazardous Area Input: Signal range: 4-20 mA (including over-range);
- Transmitter voltage: 16.5 V at 20 mA.
- Safe Area Output: Signal range: 4-20 mA; Under/over-range: 0-24 mA; Load resistance: 0 to 3600 @ 24 mA, or 0 to 4500 @ 20 mA; Current sink: 600Ω max.; Maximum voltage source: 24 VDC; Output resistance: > 1 MΩ.
- Power Requirement: 20-35 VDC
- Response Time: Sets to within 10% of final value within 50 µs.
- Current Consumption: (20 mA signal): 51 mA @ 24V.
- Maximum Power Dissipation: (20 mA signal): 0.7 W @ 24 VDC, 1.0 W @ 24 VDC.
- Transmitter voltage: ≤ 30 VDC.
- Hazardous Area Input: Signal range: 4-20 mA; Transmitter voltage: ≥ 16 V for supply voltage > 21 V.
- Safe Area Output: Signal range: 4-20 mA; Transmitter voltage: ≤ 30 VDC; Response Time: ≤ 20 µs at 0, and ≤ 600 µs at 800 load.

ACCESSORIES
- Aluminum DIN rail 1 m

MODEL CHART

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<th>Model</th>
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<td>A-360</td>
<td>Aluminum DIN rail 1 m</td>
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