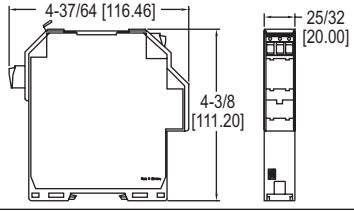
GALVANIC BARRIER

Loop Powered, Intrinsically Safe Isolators



The **Model KFD0 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-SCSEX1.55 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: 4-20 mA (linear transmission 1-22 mA); Available 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.
Maximum Power Dissipation: 150 mW @ 20 mA and V <24 V.
Temperature Limits: -4 to 140°F (-20 to 60°C).
Temperature Drift: ≤ 0.5 µA/°C.
Weight: 4.2 oz (120 g).
Agency Approvals: CE, FM.

ACCESSORIES

Model	Description
A-360	Aluminum DIN rail 1 m

MODEL CHART

Model	Description	Approval	Dwyer Series	Vo (V)	Io (mA)	Group	µF	mH
KFD0-SCS-EX1.55	Loop powered galvanic barrier	FM for class I, zone 1, groups IIC, IIB, IIA; class I, II, III, div. 2, groups A, B, C, D, F, G	HHT-IX	23.1	38.2	IIC (A, B), IIB (C), IIA (D, F, G)	0.042, 0.267, 0.267	0.5, 2.5, 2.5