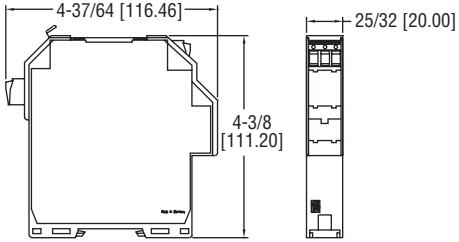
GALVANIC BARRIER

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-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 to 20 mA (linear transmission 1 to 22 mA); Available 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 @ 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.

ACCESSORY	
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