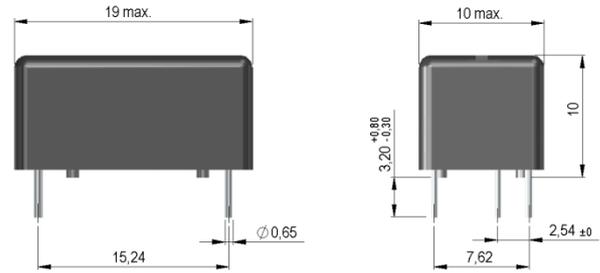


# 567 Series Optocouplers



- Features: ATEX Optocoupler for Intrinsically Safe Circuits
- Applications: Electronics for Mining, Test & Measurement, Automation Technology
- Markets: Oil & Gas Production, Refinery, Mining, Medical, Test and Measurement, and others

Part Description: **567-04-0-i**

Customer Options		Unit
Coupler Characteristics		
Isolation Voltage Input / Output (min.)	4,000	VDC
Output Current I <sub>o</sub> (max.)	50	mA
Turn On Time (typ.) T <sub>on</sub>	0.5	µsec
Turn-Off Time (typ.) T <sub>off</sub>	0.5	µsec
Collector Voltage (max.)	15	VDC
Creeping Distance (min.)	14.0	mm
Air Path Input / Output (min.)	14.0	mm
Insulation Distance Emitter-Detecto (min.)	6.0	mm
Insulation Resistance Input / Output (min.)	10 <sup>13</sup>	Ohm
Transmission Frequencies (typ.)	500	kHz

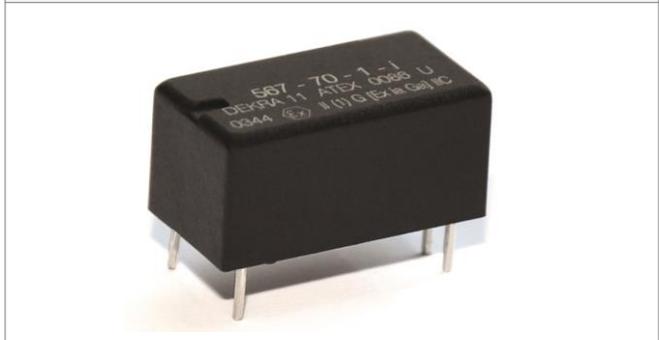
Housing and Material Specifications	
Housing Material	P6 G
Case Color	Black
Sealing Compound	Wevopur 552 FL
Connection Pins	Cu-Alloy, Tinned
Washability	Fully Sealed

Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	g
Vibration Resistance (max.)	20	g
Operating Temperature	-20 to 85	°C
Storage Temperature	-40 to 100	°C
Soldering Temperature (max.) 5 sec. max.	260	°C

Handling Instructions	
➤	It is advised that normal static precautions be taken in handling and assembly of this component to prevent damage and/or degradation which may be induced by ESC.

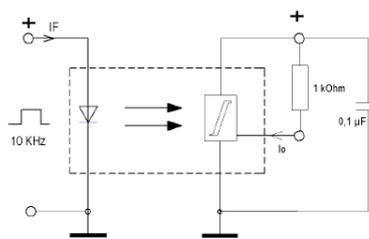


### 567 Optocoupler

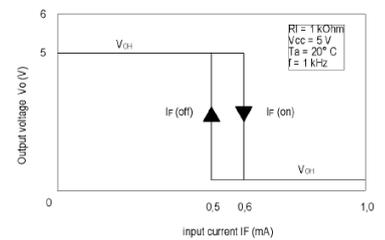


### Test Circuit and Layout

#### Test Circuit



#### Transfer Characteristics (IFT)



#### Layout

