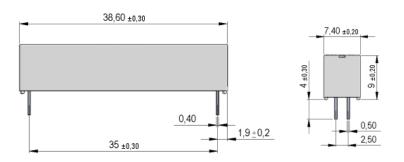


Series Datasheet - 530 Optocouplers

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530-03 Series Optocouplers



- Features: Optocoupler for Safe Circuits with a High-Level Galvanic Separation
- Applications: Electronics for Mining, Test & Measurement, Automation Technology
- Markets: Oil & Gas Production, Refinery, Mining, Medical, Test and Measurement, and others

Part Description: 530-03-1-XX

Customer Options			
Coupler Characteristics	10	20	Unit
Isolation Voltage Input / Output (min.)	10,000	20,000	VDC
Current Transfer Ratio (min.) Ic/If CTR (If = 10mA)	0.5		
Transmission Frequencies (typ.)	50		kHz
Collector-Emitter Voltage (max.)	32		VDC
Collector Current Ic (max.)	15		mA
Creeping Distance (min.)	34.0		mm
Air Path Input / Output (min.)	34.0		mm
Insulation Distance Emitter-Detector (min.)	5		mm
Insulation Resistance Input / Output (min.)	10 ¹²		Ohm



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Housing and Material Specifications		
Housing Material	PBT Glass Fibre Reinforced	
Case Color	White	
Sealing Compound	Polyurethan	
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	-40 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.



