

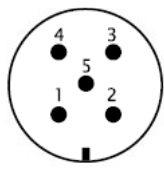
Series LVDT-IEDT

Displacement Sensor, integrated signal conditioner

Electrical Specification					
Type	IEDT2	IEDT10	IEDT20	IEDT50	
Displacement	±1 (2)	±5 (10)	±10 (20)	±25 (50)	[mm]
Linearity deviation	< ±0.75				[% F.S.]
Supply voltage	24 (±5%)				[VDC]
Current consumption (no load)	< 50 (< 70 current output)				[mA]
Output signal	0..10 V / 0..20 mA / 4..20mA				
Output load	> 10 kOhm voltage output / < 250 Ohm current output				
Output noise (Ripple)	< 20				[mV RMS]
Cut of frequency (-3 dB)	100				[Hz]
Temperature coefficient	±0.4				[% F.S./10K]

Mechanical Specification					
Housing material	Steel nickeling plated				
Core material	Nickel-Iron-Alloy				
Weight (with Cable)	85	120	175	240	[g]

Environments		
Rated temperature range	0 .. +60	[°C]
Storage temperature range	-30 .. +80	[°C]
Degree of protection	IP65	
Impact resistance	100g / 2ms	DIN IEC68T2-27
Vibration resistance	10g / 2 Hz .. 2 kHz	DIN IEC68T2-6

Connection			
Function	Cable connection (length 1m)	Plug connection	
	Colour of cable	PIN	
N.C.	yellow	1	
+24 VDC	brown	2	
Signal GND	grey	3	
Output	green	4	
Excitation GND	white	5	

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Order code				
Series	Stroke	Connection	Exec. Voltage	Output signal
IEDT	-20	-K	-24	-10
Standard	2 = 2mm 10 = 10mm 20 = 20mm 50 = 50mm	K = cable S = connector	24 = 24 VDC	10 = 0..10 VDC 20 = 0..20 mA 42 = 4..20 mA

Accessories			
Mountingbock for Ø 20 mm	Mountingflange for Ø 20 mm	Extension for armature	Measuring pin
