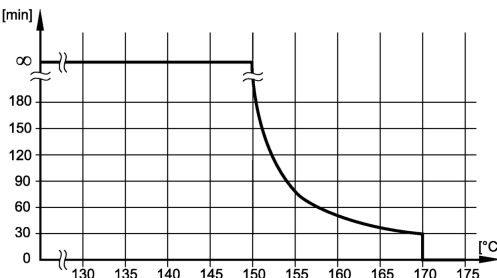
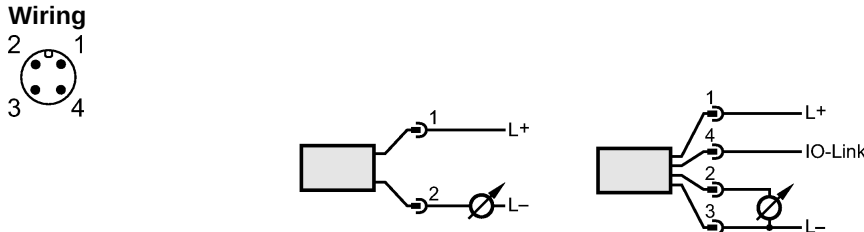


Product characteristics		
Temperature transmitter		
Quick disconnect		
Process connection: G ½		
Installation length EL: 30 mm		
Analog output 4...20 mA		
Measuring range: -50...150 °C		
Measuring element: 1 x Pt 1000, to DIN EN 60751, class A		
Factory setting: -50...150 °C		
Application		
Application	liquids and gases	
Pressure rating	[bar]	300; only applies to the sensor; for installation in adapters the indications in the adapter data sheet shall apply
Electrical data		
Electrical design		DC
Operating voltage	[V]	18...32 DC; cULus - Class 2 source required
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes
Outputs		
Output function		4...20 mA analog
Short-circuit protection		yes
Overload protection		yes
Analog output		4...20 mA
Max. load	[Ω]	250 (18...19 V); 300 (19...32 V)
Measuring / setting range		
Measuring range	°C	-50...150
Factory setting		-50...150 °C
Resolution		
Analog output	[K]	≤ 0.04
Accuracy / deviations		
Analog output	[K]	± 0.3 + (± 0.1 % MS)
Temperature coefficients (in % of the span per 10 K)		0.1
Reaction times		
Power-on delay time	[s]	1
Dynamic response	T05 / T09 [s]	1 / 3

Interfaces		
IO-Link Device		
Transfer type	COM2 (38.4 kBaud)	
IO-Link revision	1.1	
Environment		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-40...100
Protection	IP 67 / IP 68 / IP 69K	
Maximum operation time depending on the medium temperature		
Tests / approvals		
EMC	DIN EN 61000-6-2	
Shock resistance	DIN IEC 68-2-27:	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6:	20 g (10...2000 Hz)
MTTF	[Years]	572
UL approval number	K002	
Mechanical data		
Process connection	G ½	
Materials (wetted parts)	stainless steel 316L / 1.4404; O-ring: FKM	
Probe diameter	[mm]	6
Installation length EL	[mm]	30
Housing materials	stainless steel 316L / 1.4404; PEI; FKM	
Weight	[kg]	0.11
Displays / operating elements		
Display	operating status 1 x LED green	
Electrical connection		
Connection	M12 connector; gold-plated contacts	
Wiring 		
Remarks		
Remarks	MS = set measuring span	
Pack quantity	[piece]	1