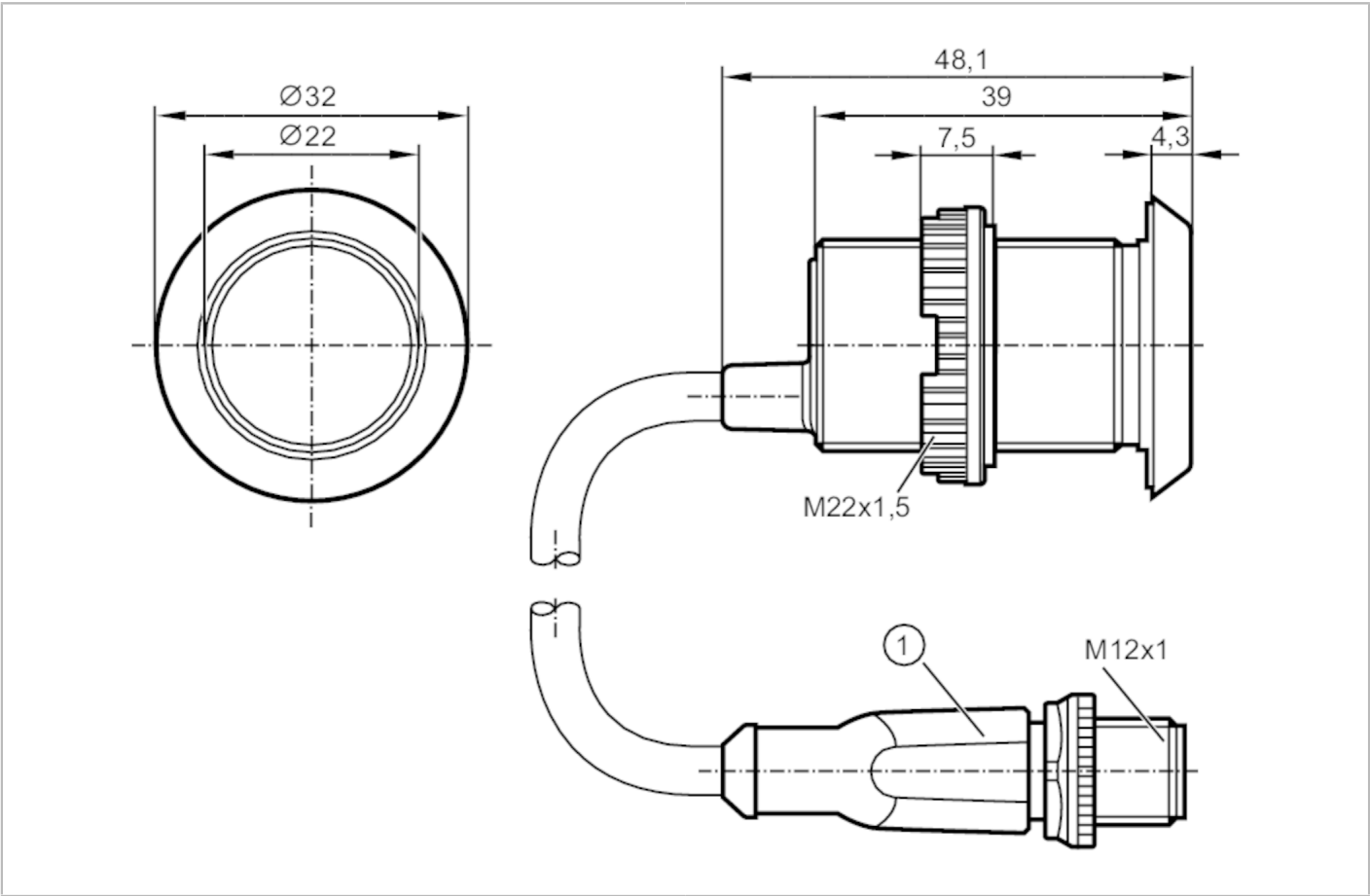


KT6301



Illuminated capacitive touch sensor

KTMEF-EMMFKG/US/IO



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / closed
Communication interface	IO-Link
Dimensions [mm]	Ø 32 / L = 39
Application	
Principle of operation	dynamic; (static; Bistable configurable)
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	30
Protection class	III
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	normally open / closed
Permanent current rating of switching output DC [mA]	150
Short-circuit protection	yes
Overload protection	yes

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Reaction times		
Response time	[ms]	35
Software / programming		
Parameter setting options	normally open / closed; PnP/nPn; statisch / dynamisch / bistabil / Ein-Ausschaltverzögerung; brightness; Aktivierungs- Operations- Inputfarbe; Sensitivität	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor: Type 0 Generic Profiled Sensor; Identification and Diagnosis; Fixed Switching Signal Channel	
SIO mode	yes	
Required master port class	A	
Process data analog	1	
Process data binary	1	
Min. process cycle time	[ms]	3.5
Supported DeviceIDs	Type of operation	DeviceID
	default	1002
Operating conditions		
Ambient temperature	[°C]	-20...80
Protection	IP 65; IP 67; IP 69K; (on the front)	
Tests / approvals		
EMC	IEC 61000-4	
MTTF	[years]	318
Mechanical data		
Weight	[g]	80.5
Dimensions	[mm]	Ø 32 / L = 39
Material	housing: stainless steel (1.4305 / 303); actuating surface: PA Grilamid TR 90UV	
Displays / operating elements		
Display		1 x LED, blue / green / red / magenta / yellow / white / orange
	preset	
	Switching status	green
	Power	-
	Function	red
Accessories		
Items supplied	lock nuts: 1	
	Gasket: 1	
Accessories (optional)	Symbol disc	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

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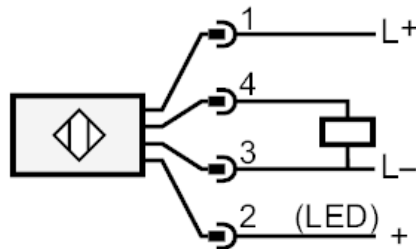
Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A



Connection



Function display can be activated via PIN 2