

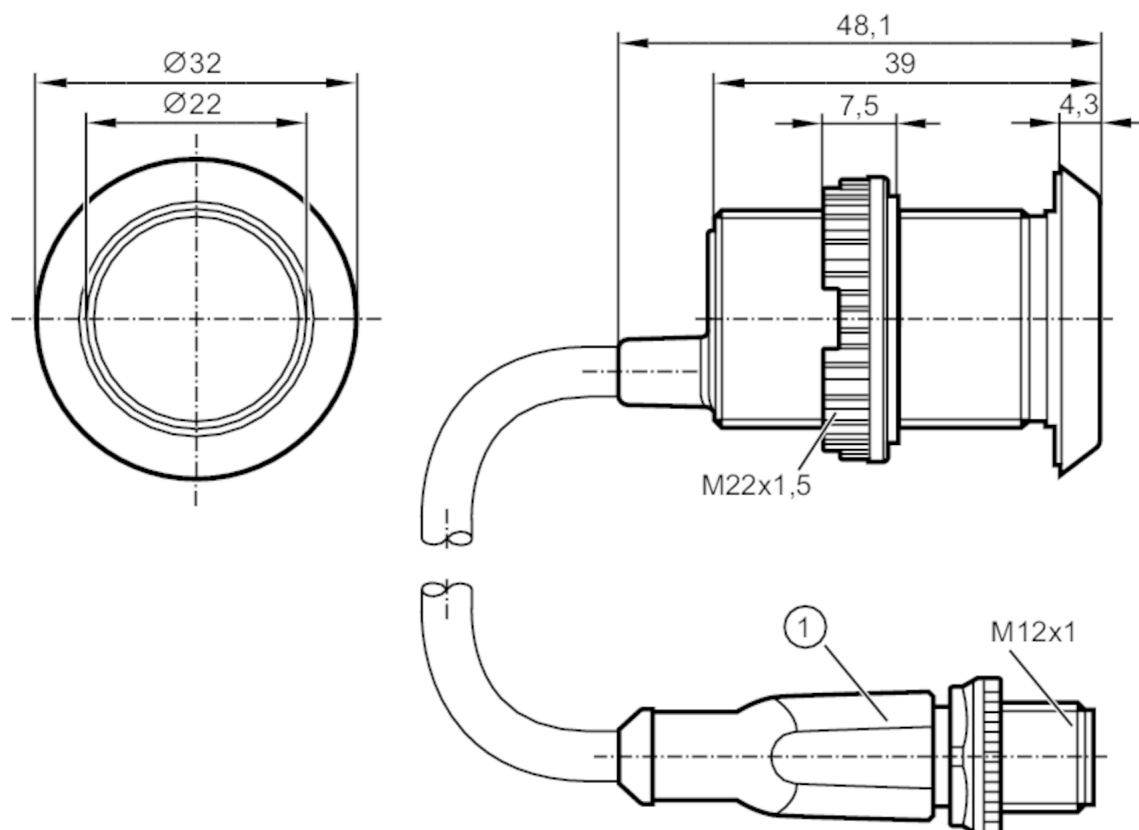
Illuminated capacitive touch sensor

KTMEF-EMMFFKG/US/IO

Article no longer available - archive entry

Alternative articles: KTE301 or KTE302

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed
Communication interface	IO-Link
Housing	threaded type
Dimensions [mm]	M22 x 1.5 / L = 48.1

Application

Operating principle	dynamic; (static; bistable parameterisable)
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	30
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
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Illuminated capacitive touch sensor

KTMEF-EMMFKG/US/IO

Output function	normally open / normally closed	
Permanent current rating of switching output DC [mA]	150	
Short-circuit protection	yes	
Overload protection	yes	
Response times		
Response time [ms]	35	
Software / programming		
Parameter setting options	normally open / normally closed; PNP/NPN; statisch / dynamisch / bistabil / Ein-Ausschaltverzögerung; brightness; Aktivierungs- Operations- Inputfarbe; sensitivity	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Common - I&D	Identification and Diagnosis
	Function	Fixed switching signal
SIO mode	yes	
Required master port type	A	
Process data analogue	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	
Housing	threaded type	
Dimensions [mm]	M22 x 1.5 / L = 48.1	
Thread designation	M22 x 1.5	
Materials	housing: stainless steel (303/1.4305); active face: PA Grilamid TR 90UV	
Displays / operating elements		
Display		1 x LED, blue / green / red / magenta / yellow / white / orange
	preset	
	switching status	green
	operation	-
	function	red

KT6301



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Accessories

Items supplied

lock nuts: 1 x M22

Gasket: 1

Accessories (optional)

symbol disc

Remarks

Pack quantity

1 pcs.

Electrical connection

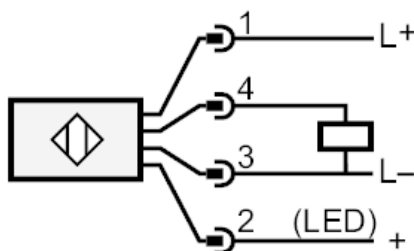
Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A



Connection



function display can be activated via PIN 2