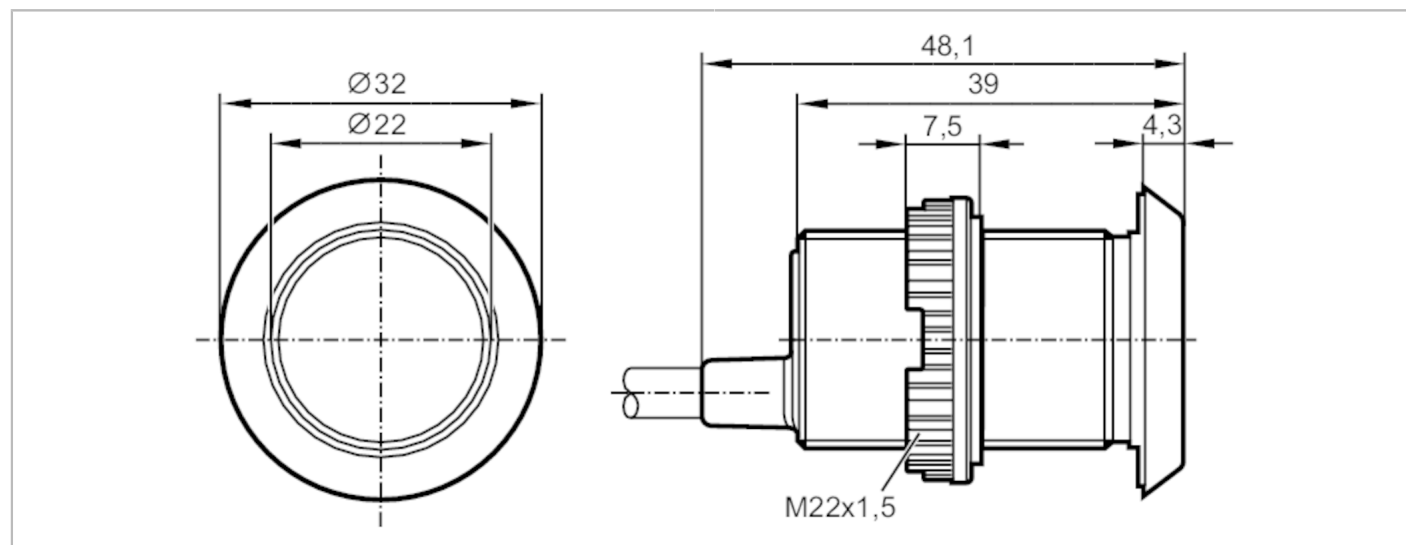


KT6300



Illuminated capacitive touch sensor

KTMEF-EMMFFKG/2m/IO



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / closed
Communication interface	IO-Link
Dimensions [mm]	$\varnothing 32$ / L = 39

Application

Principle of operation	dynamic; (static; Bistable configurable)
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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
Output function	normally open / closed
Permanent current rating of switching output DC [mA]	150
Short-circuit protection	yes
Overload protection	yes

Reaction times

Response time [ms]	35
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Software / programming

Parameter setting options	normally open / closed; PnP/nPn; statisch / dynamisch / bistabil / Ein-Ausschaltverzögerung; brightness; Aktivierungs- Operations- Inputfarbe; Sensitivität
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Interfaces

Communication interface	IO-Link
Transmission type	COM2 (38,4 kBaud)
IO-Link revision	1.1

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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]		119.5	
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.	

KT6300



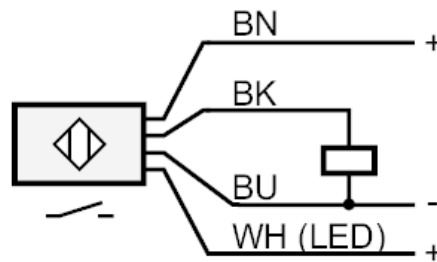
Illuminated capacitive touch sensor

KTMEF-EMMFFKG/2m/IO

Electrical connection

Cable: 2 m, PUR

Connection



BK = IO-Link
Core colors :
BK = black
BN = brown
BU = blue
WH = white
Function display can be activated via WH