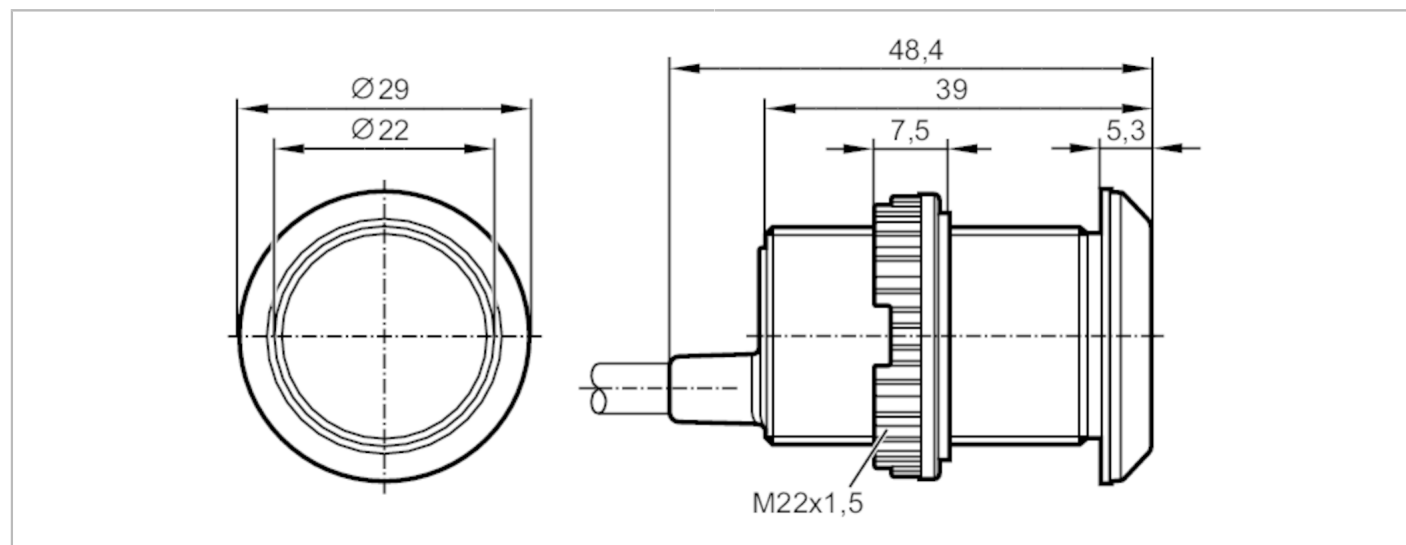


KT6100



Illuminated capacitive touch sensor

KTMEF-KMMFFKG/2m/IO



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / closed
Communication interface	IO-Link

Application

Principle of operation	dynamic; (static; Bistable configurable)
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Electrical data

Operating voltage [V]	12...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; Aktivierungs- Operations- Inputfarbe; brightness; Sensitivität
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Interfaces

Communication interface	IO-Link
Transmission type	COM2 (38,4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9

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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]	359	
Mechanical data		
Weight [g]	93	
Material	PA 6.6-GF30 black; 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.	

KT6100



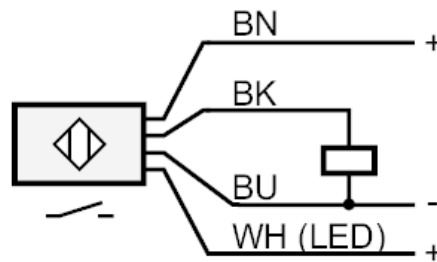
Illuminated capacitive touch sensor

KTMEF-KMMFFKG/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