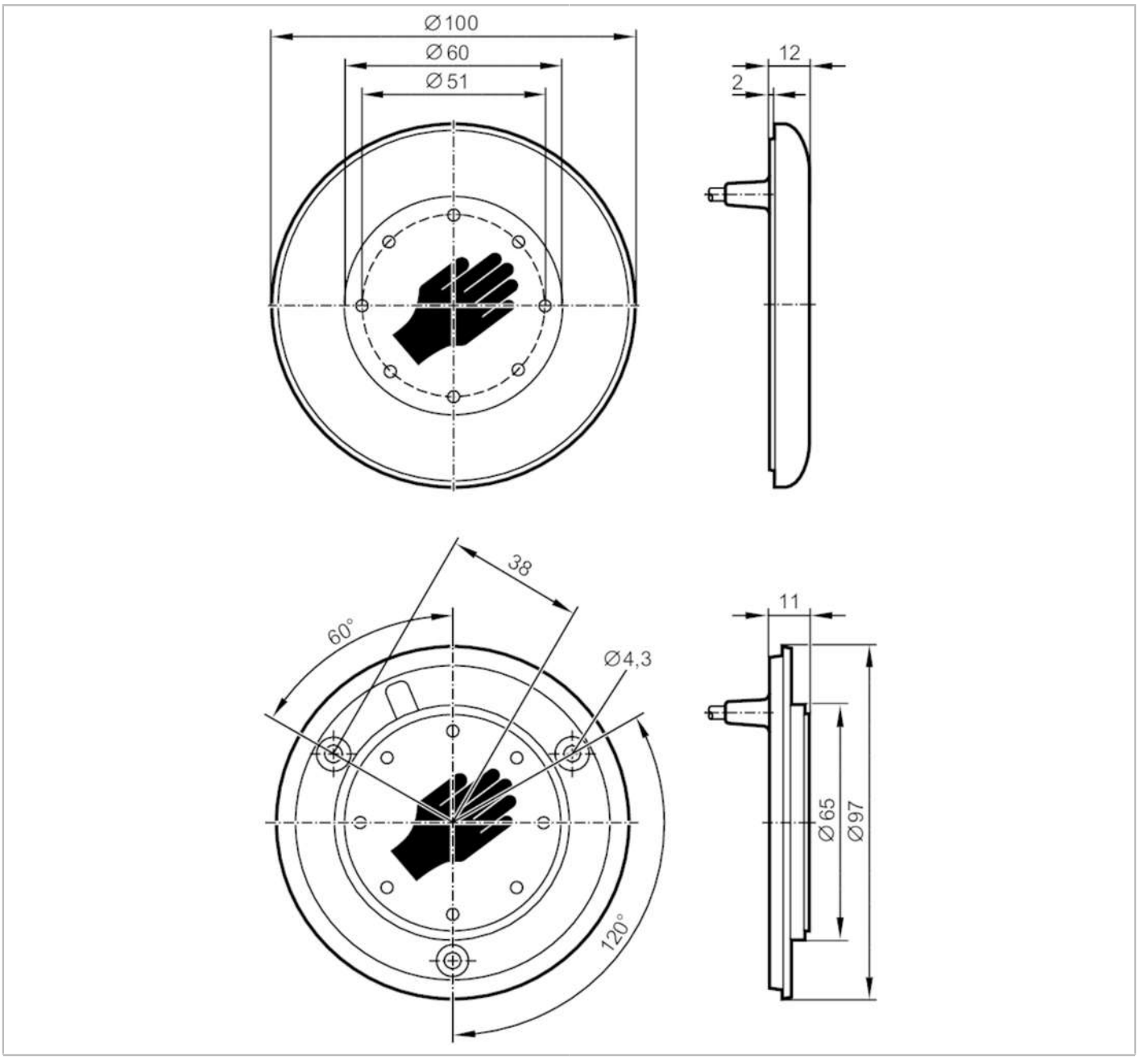
KT5001

Capacitive touch sensor

KTRDHMK-RBPKG/AM/2M



Product characteristics		
Electrical design		PNP
Output function		normally open
Dimensions	[mm]	Ø 100 / L = 11
Application		
Operating principle		dynamic
Electrical data		
Operating voltage	[V]	12...30 DC
Current consumption	[mA]	30
Protection class		III

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Reverse polarity protection			yes
Max. power-on delay time	[ms]		500
Outputs			
Electrical design			PNP
Output function			normally open
Permanent current rating of switching output DC	[mA]		200
Short-circuit protection			yes
Overload protection			yes
Length of output signal	[ms]		300
Response times			
Response time	[ms]		35
Operating conditions			
Ambient temperature	[°C]		-40...85
Protection			IP 67; IP 69K; (on the front)
Tests / approvals			
MTTF	[years]		391
Mechanical data			
Weight	[g]		160
Dimensions	[mm]		Ø 100 / L = 11
Materials			active face: PA Grilamid TR 90UV transparent; housing: PC/ABS black; Coloured surround: PC/ABS green
Displays / operating elements			
Display		switching status	8 x LED, red
		operation	8 x LED, green
Accessories			
Accessories (optional)			surround in different colours
Remarks			
Pack quantity			1 pcs.

KT5001

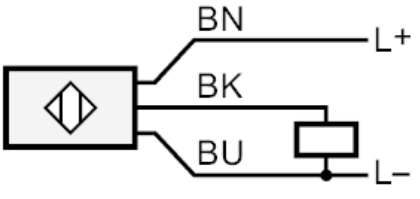
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Electrical connection

Cable: 2 m, PUR

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue