

KN5101



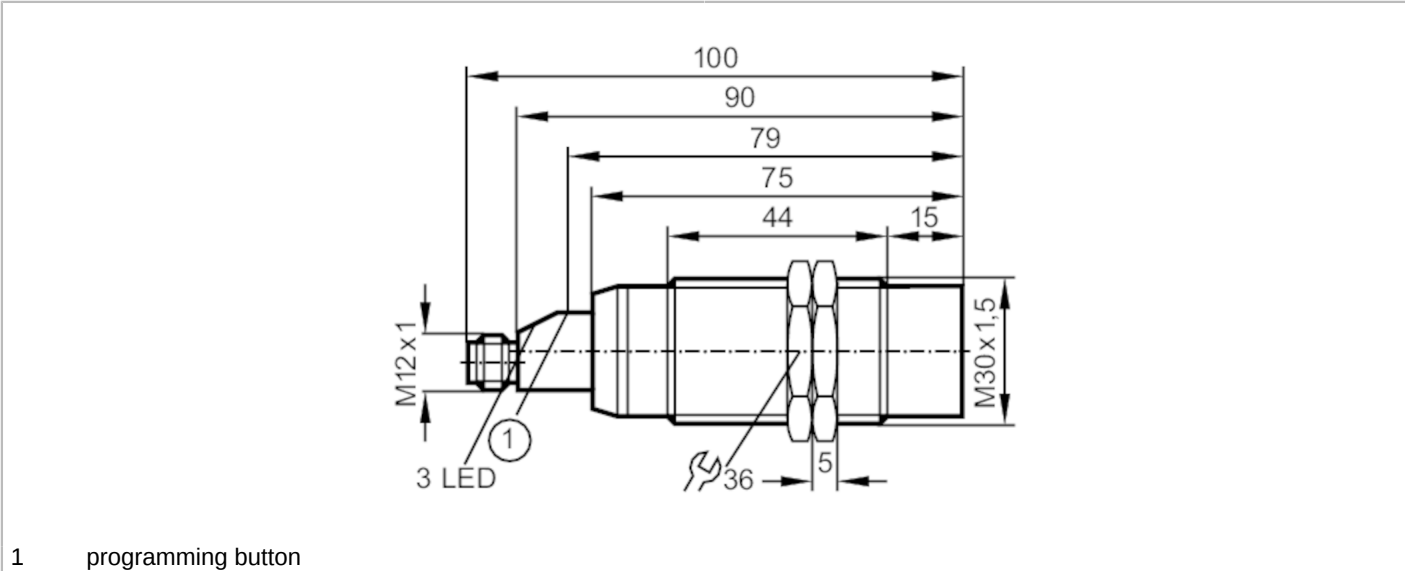
Capacitive sensor

KNM30NUAFPKG/US-100-DPX

Article no longer available - archive entry

Alternative articles: KI5087
When selecting an alternative article and accessories please note that technical data may differ!

Attention: the programming has changed.



Product characteristics	
Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 100
Application	
Special feature	Gold-plated contacts; Function check output
Installation	detection through non-metallic container walls
Media	dry bulk material; liquids
Medium temperature [°C]	-25...80
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	30; (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes

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Max. voltage drop of function check output	[V]	3.5
Max. current load for function check output	[mA]	10
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	5
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 100
Thread designation		M30 x 1.5
Materials		brass white bronze coated; PBT; PVC

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red

Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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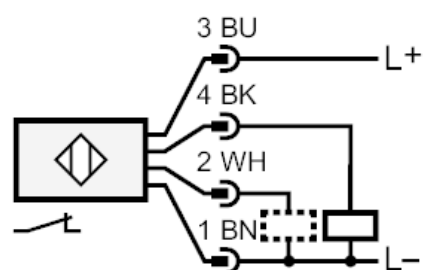
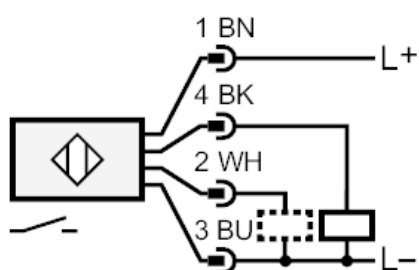


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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



2: Function check output programming wire