

KN5101

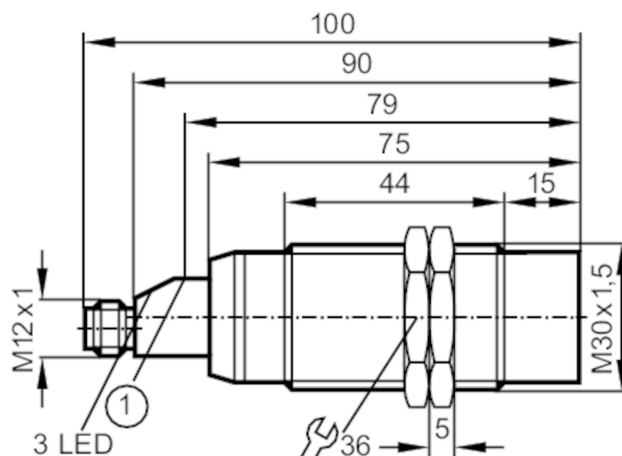
Capacitive sensor

KNM30NUAFPKG/US-100-DPX



Article no longer available - archive entry

replaced by: KI5087; Attention: the programming has changed!



1 Programming button



Application

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 / closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
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	yes (non-latching)
Overload protection	yes

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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
Material	brass white bronze coated; PBT; PVC

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red

Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

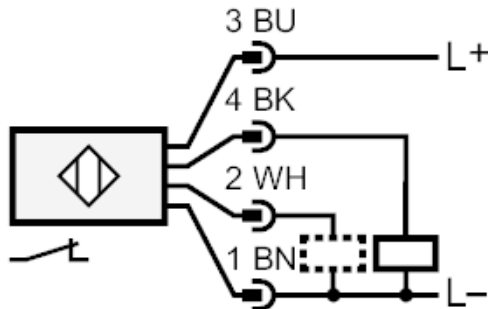
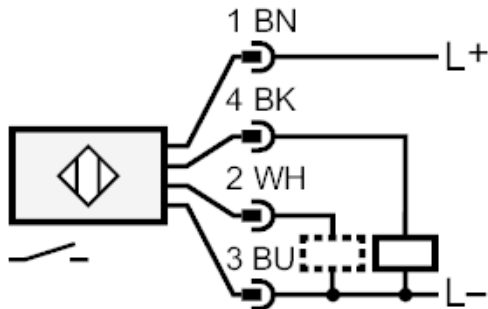
Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



normally open



2: Function check output programming wire

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