KN5100

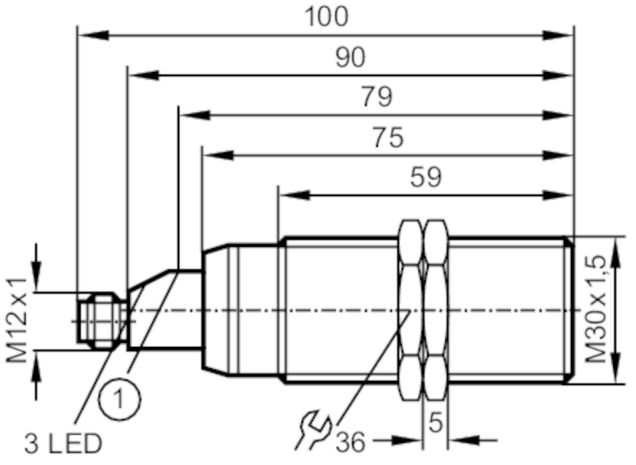
Capacitive sensor

KNM30BSAFPKG/US-100-DPX

Article no longer available - archive entry

Alternative articles: KI5085
When selecting an alternative article and accessories please note that technical data may differ!

Attention: the programming has changed.



1 programming button

CE

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		flush mounting in tank wall
Media		dry bulk material
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	
Mechanical data			
Housing		threaded type	
Mounting		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	
Remarks			
Pack quantity		1 pcs.	

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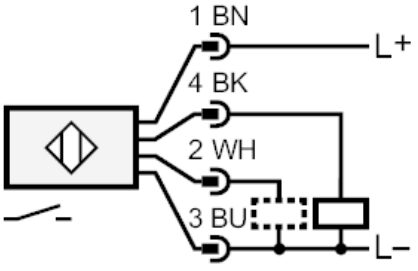
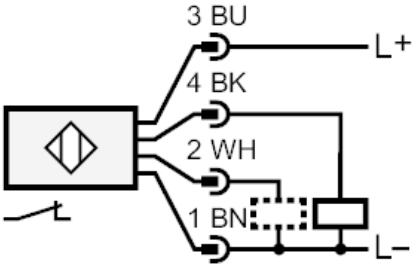
Electrical connection - plug

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





2: Function check output programming wire