



Model Number

RC15-14-N0-Y95903

Features

- 15 mm inside diameter
- Comfort series

Technical Data

General specifications

Switching function	Normally closed (NC)
Output type	NAMUR
Inside diameter	15 mm
Measuring cone	6 mm, 1.4305 / AISI 303
Output type	2-wire

Nominal ratings

Nominal voltage	U_o	8 V
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 1500 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

Functional safety related parameters

MTTF _d	5990 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Ambient temperature	-20 ... 65 °C (-4 ... 149 °F)
Storage temperature	-40 ... 100 °C (-40 ... 212 °F)

Mechanical specifications

Connection type	cable PVC , 150 mm Crimp terminal sockets 60888-3, AMP
Core cross-section	0.14 mm ²
Housing material	PBT
Degree of protection	IP67
Mass	18 g

General information

Use in the hazardous area	see instruction manuals
Category	2G

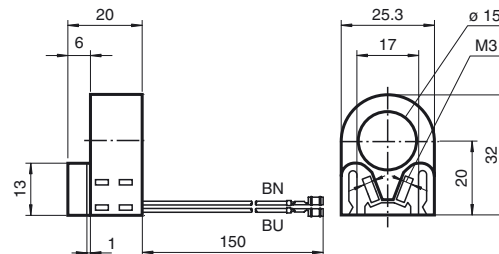
Compliance with standards and directives

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

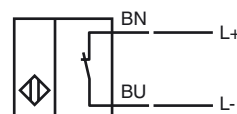
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

Dimensions



Electrical Connection





Equipment protection level Gb		
CE marking		 0102
ATEX marking		 II 2G Ex ia IIC T6...T1 Gb The Ex-related marking can also be printed on the enclosed label.
Standards		EN 60079-0:2012+A11:2013, EN 60079-11:2012 Ignition protection "Intrinsic safety" Use is restricted to the following stated conditions
Appropriate type		RC15-...-N0...
Effective internal capacitance	C _i	≤ 150 nF ; a cable length of 10 m is considered.
Effective internal inductance	L _i	≤ 100 μH ; a cable length of 10 m is considered.
Maximum permissible ambient temperature T _{amb}		Details of the correlation between the type of circuit connected, the maximum permissible ambient temperature, the temperature class, and the effective internal reactance values can be found on the EU-type examination certificate.
Special conditions		