



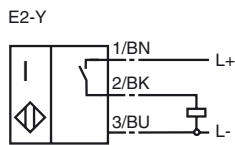
**Model Number**

NBN2-F79-E2-Y230022

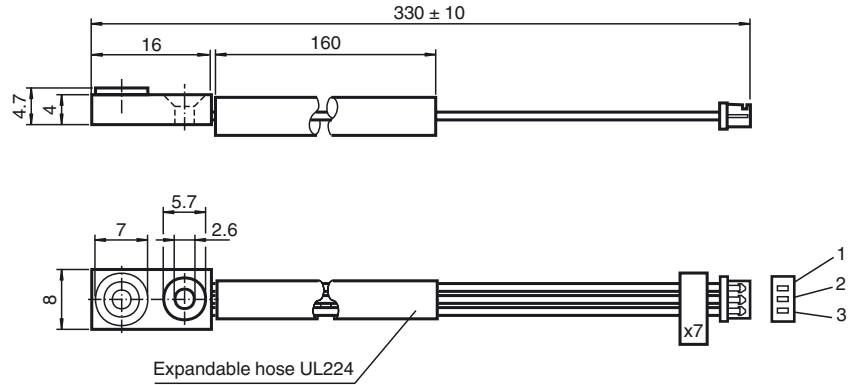
**Features**

- Basic series
- 2 mm not embeddable

**Connection**



**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	NO
Rated operating distance	$s_n$	2 mm
Installation	not embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 1.8 mm
Reduction factor $r_{Al}$	0.3	
Reduction factor $r_{Cu}$	0.2	
Reduction factor $r_{303}$	0.7	

**Nominal ratings**

Operating voltage	$U_B$	5 V -5% +10%
Switching frequency	$f$	0 ... 800 Hz
Hysteresis	$H$	typ. 5 %
Reverse polarity protected	no	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	≤ 1.5 V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	≤ 10 μA
No-load supply current	$I_0$	≤ 15 mA

**Ambient conditions**

Ambient temperature	15 ... 35 °C (59 ... 95 °F)
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**Mechanical specifications**

Connection type	flexible leads PVC , 330 mm , twisted
Connection assembly	Molex socket housing 51021-0300 Molex-Crimp 50058-8000
Core cross-section	0.08 mm <sup>2</sup>
Housing material	PA
Sensing face	PA
Protection degree	IP67

**Compliance with standards and directives**

Standard conformity	
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

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