



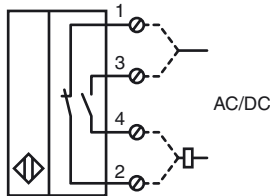
**Model Number**

NCB15+U1+U

**Features**

- Comfort series
- 15 mm embeddable

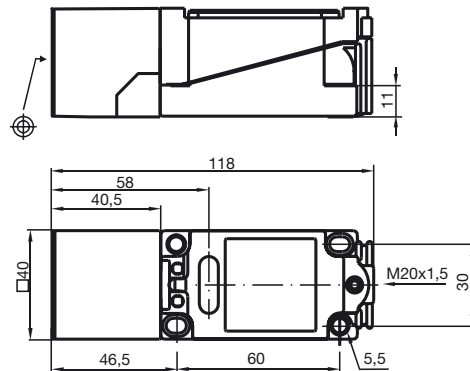
**Connection**



**Accessories**

- V1-M20-80**  
Receptacles, M12/M20; plastic version
- V1-W**  
Field attachable female cordset
- V1-G-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable
- V1-W-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable

**Dimensions**



**Technical Data**

**General specifications**

Switching element function		AC/DC	NO/NC
Rated operating distance	$s_n$	15 mm	
Installation		embeddable	
Output polarity		AC/DC	
Assured operating distance	$s_a$	0 ... 12.15 mm	
Reduction factor $r_{Al}$		0.28	
Reduction factor $r_{Cu}$		0.25	
Reduction factor $r_{V2A}$		0.75	

**Nominal ratings**

Operating voltage	$U_B$	20 ... 253 V
Operating voltage DC		20 ... 300 V
Switching frequency	$f$	0 ... 25 Hz
Hysteresis	$H$	typ. 3 %
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 4$ V
Momentary current (20 ms, 0.1 Hz)		0 ... 3000 mA
Operating current	$I_L$	5 ... 500 mA
Off-state current	$I_r$	0 ... 2.5 mA typ. 1.5 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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**Mechanical specifications**

Connection type	terminal compartment
Core cross-section	up to 2.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68

**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
CCC approval	Certified by China Compulsory Certification (CCC)

Release date: 2010-11-20 15:50 Date of issue: 2010-11-20 086434\_ENG.xml