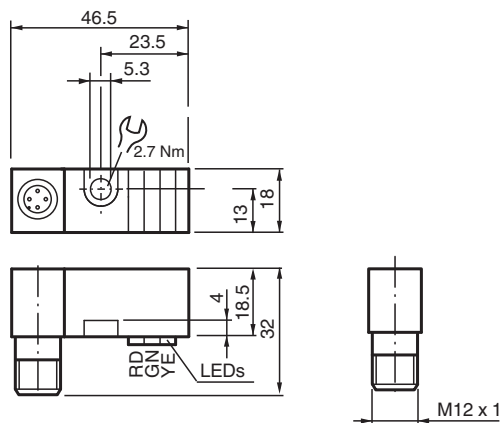


- Technical data are only valid if satellite unit is connected
- Completely halogen and silicon free
- Extremely bright triple luminous band indication
- Orientation of the coding of the connector plug to position 1

Amplifier unit



Dimensions



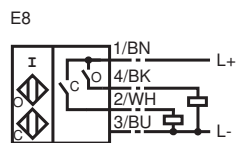
Technical Data

General specifications		
Switching function		2 x normally open (NO)
Output type		PNP
Output polarity		DC
Output type		4-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3 V
Rated insulation voltage	U _{BIS}	60 V
Operating current	I _L	0 ... 100 mA
Off-state current	I _r	0 ... 0.5 mA typ. 0.1 µA at 25 °C
No-load supply current	I ₀	≤ 15 mA
Constant magnetic field	B	100 mT
Alternating magnetic field	B	100 mT
Tuning-out		typically 1 s

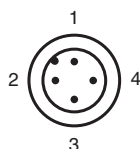
Technical Data

Operating voltage indicator	LED green
Switching state indicator	Switching state "closed" = LED red (S2) switching state "open" = LED yellow (S1)
Functional safety related parameters	
MTTF _d	1000 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Compliance with standards and directives	
Standard conformity	
Standards	EN IEC 60947-5-2
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 50 °C (-13 ... 122 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Connection type	Connector plug
Housing material	PA66
Degree of protection	IP65
Protection class	II
Connector	
Threading	M12 x 1
Number of pins	4
Dimensions	
Height	18.5 mm
Width	18 mm
Length	46.5 mm
Note	only for use with satellite unit NBN2-F58xx... family

Connection



Connection Assignment



Release date: 2025-05-21 Date of issue: 2025-05-21 Filename: 297910_eng.pdf

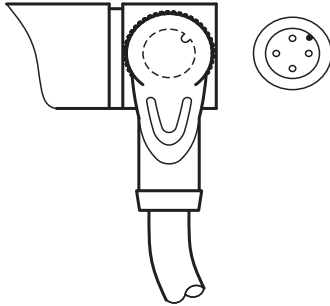
Connection Assignment

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Assembly

Orientation of the female cordset in angled design



Additional Information

Safety instructions

Laws and/or regulations and standards governing the use or intended usage goal must be observed.

No changes can be made to the device.
Repairs are not possible.

Protection class II (protective isolation) is only reached under the stated mounting conditions.