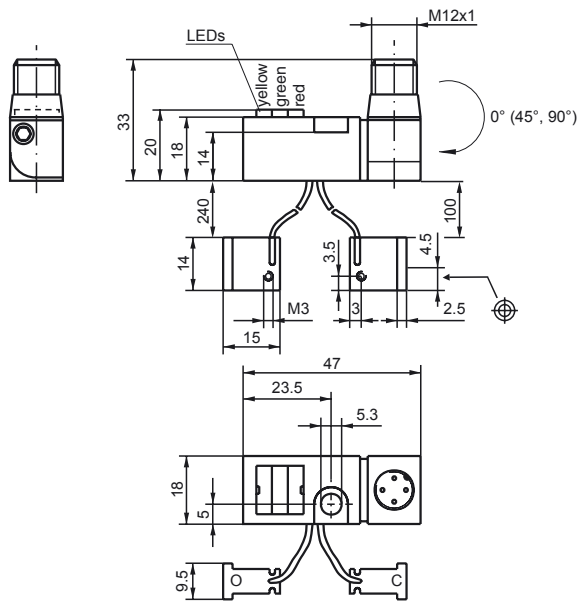


Inductive proximity switches

NBN2-F581-240S4-E8-V1-Y122843

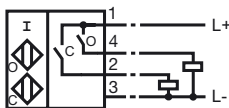
Basic series
2 mm not embeddable
Extremely bright triple luminous band indication
M12 plug with safety screw assembly adjustable in 45° grid
For use in direct- and alternating-field welding systems
Complete halogen and silicon free



General specifications	
Switching element function	PNP Dual Make function
Rated operating distance s_n	2 mm
Installation	not embeddable
Assured operating distance s_a	0 ... 1,62 mm
Reduction factor r_{Al}	0,45
Reduction factor r_{Cu}	0,35
Reduction factor r_{V2A}	0,75
Nominal ratings	
Operating voltage U_B	10 ... 30 V
Switching frequency f	0 ... 100 Hz
Reverse polarity protection	Protected against reverse polarity
Short-circuit protection	pulsing
Voltage drop U_d	≤ 3 V
Operating current I_L	0 ... 100 mA
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
Operating voltage display	LED green
Indication of the switching state	Switching state "closed" = LED red switching state "open" = LED yellow
Standard conformity	
EMC in accordance with	EN 60947-5-2
Standards	EN 60947-5-2
Ambient conditions	
Ambient temperature	0 ... 50 °C (273 ... 323 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)
Mechanical specifications	
Connection type	V1-connector
Flexible lead, housing-sensor	PUR (halogen-free); Outlet position - 1
Housing material	amplifier; PBT, PA6 + GD-ZN AL4 oscillators; PBT
Protection degree	IP65

Connection type:

E8



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