Signal lamps Ex9PDe



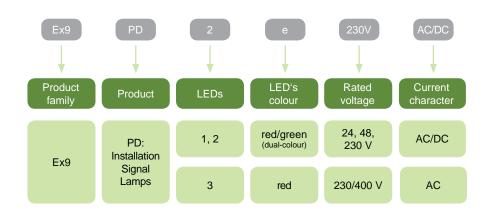
- Installation Signal Lamps
- Meet requirements of IEC / EN 60947-5-1
- LED technology
- Operating voltage 24, 48 and 230 V AC/DC
- Width 1 MU
- 1, 2 and 3-LED versions
- Dual-colour LED in Ex9PD1e, Ex9PD2e

Installation signal lamps Ex9PDe are designed and tested according to standard IEC/EN 60947-5-1. They are based on LED technology and suitable e.g. for circuit status indication.

There are available versions with rated operating voltage 24, 48 and 230 V AC/DC, with one or two dual-co-lour (green/red) LEDs. The last variant with three red LEDs is available with operating voltage 230/400 V AC. This kind of signal lamp is used mainly for phase voltage presence check in 3-phase connections.

All versions are designed as 1 module unit width devices including the three LED version. Used internal technology of LED lights ensures very low power consumption during operations and very high lifetime.

Type Key



Certification marks





Signal lamps Ex9PDe

1-LED version, dual-colour LED

• Priority colour red (when both colours are connected, the red one is ON only)



No. of LEDs	Colour	Article No.	Туре	Packing
1	red/green	106307	Ex9PD1e 24V AC/DC	2/162
1	red/green	106308	Ex9PD1e 48V AC/DC	2/162
1	red/green	106309	Ex9PD1e 230V AC/DC	2/162

2-LED version, dual-colour LEDs

• Priority colour red (when both colours are connected, the red one is ON only)



No. of LEDs	Colour	Article No.	Туре	Packing
2	red/green	106310	Ex9PD2e 24V AC/DC	2/162
2	red/green	106311	Ex9PD2e 48V AC/DC	2/162
2	red/green	106312	Ex9PD2e 230V AC/DC	2/162

3-LED version, red LED colour



No. of LEDs	Colour	Article No.	Туре	Packing
3	red	106313	Ex9PD3e 230/400V AC	2/162



Technical Data Ex9PDe

Installation signal lamps

General parameters

Modular design

Suitable e.g. for circuit status or phase connection indication

Based on LED technology

Electrical parameters			
	Ex9PD1e, Ex9PD2e	Ex9PD3e	
Tested according to	IEC/EN 60947-5-1		
Light technology	LED		
Number of LEDs	1, 2	3	
LED colours	red/green	red	
Rated operating voltage U _e	24, 48, 230 V AC/DC	230/400 V AC	
Rated current I _e	≤ 20 mA / LED		
Conventional free air thermal current \boldsymbol{I}_{th}	20 mA		
Rated insulation voltage U _i	500 V		
Rated impulse withstand voltage U _{imp}	4 kV		
Electrical service life	≥ 30 000 working hours		
LED luminance L _v	≥ 40 cd/m²		

Mechanical parameters	
Device width	18 mm
Device height	81 mm (85.5 mm including rail clip)
Frame size	45 mm
Mounting	easy fastening onto 35 mm device rail (DIN)
Degree of protection	IP20
Terminals	lift
Terminal capacity	1 — 2.5 mm ²
Fastening torque of terminals	0.8 Nm
Ambient temperature	-5 — +40 °C
Altitude	≤ 2000 m
Relative humidity	≤ 90 % at +20°C
Resistance to humidity and heat	class 2
Pollution degree	3
Installation class	III
Weight	0.06 kg



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