PHT22-FRD-RD/PT10/RD - Button

1108281

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Illuminated flat button, 22 mm, circular, red, automatic reset, including a button head, module holder, a N/O contact module using push-in connection technology and a LED module

Your advantages

- 22 mm illuminated button set with Push-in connection
- Self-retaining (latching) – ideal for switching functions
- Depending on the set variant, incl. contact module(s) (N/O / N/C, 1- or 2-way) + 1 LED module – flexible in use
- With integrated lighting option for clear status display
- Quick mounting in the control cabinet/control panel

Commercial data

Item number	1108281
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE6122
Product key	BE6122
GTIN	4063151012236
Weight per piece (including packing)	48 g
Weight per piece (excluding packing)	43.7 g
Country of origin	CN

Technical data

Product properties

Product type	Actuator
Actuator type	Illuminated flat button
Function	Automatic reset
Extension of optional light source	Yes
with light source	Yes
Number of contacts as N/O contacts	1
Number of contacts as N/C contacts	0

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	5 W
LED voltage range	24 V ... 240 V ±10 % (AC/DC 50/60 Hz (AC))
Rated operating current (AC-15)	120 V 8 A
	230 V 6 A
	400 V 4 A
	600 V 2 A
Rated operating current (DC-13)	24 V 5 A
	110 V 1.1 A
	220 V 0.5 A

Input data

LED voltage range	24 V ... 240 V ±10 % (AC/DC 50/60 Hz (AC))

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section rigid	0.5 mm² ... 2.5 mm²
Conductor cross-section flexible	0.5 mm² ... 1.5 mm²
Conductor cross-section, flexible [AWG]	20 ... 16 (converted acc. to IEC)
2 conductors with same cross section, rigid	0.5 mm² ... 2.5 mm²
2 conductors with the same cross-section AWG rigid	20 ... 16 (converted acc. to IEC)
2 conductors with same cross section, flexible	0.5 mm² ... 1.5 mm²
2 conductors with the same cross-section AWG flexible	20 ... 16 (converted acc. to IEC)
Thermal continuous current I_{th}	10 A
Operating voltage range	5 V ... 600 V

Dimensions

Width	30 mm
Height	46 mm
Depth Installation	47.9 mm
Diameter Mounting	22.3 mm

Material specifications

Color	red
Contact material	AgNi10
Front ring material	Metal
Front ring color	silver

Environmental and real-life conditions

Degree of protection (IP code)

Degree of protection	IP66

Ambient conditions

Degree of protection (Connection terminal blocks)	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 85 °C
Permissible humidity (operation)	≤ 95 % ((room temperature 25°C) no condensation)

Standards and regulations

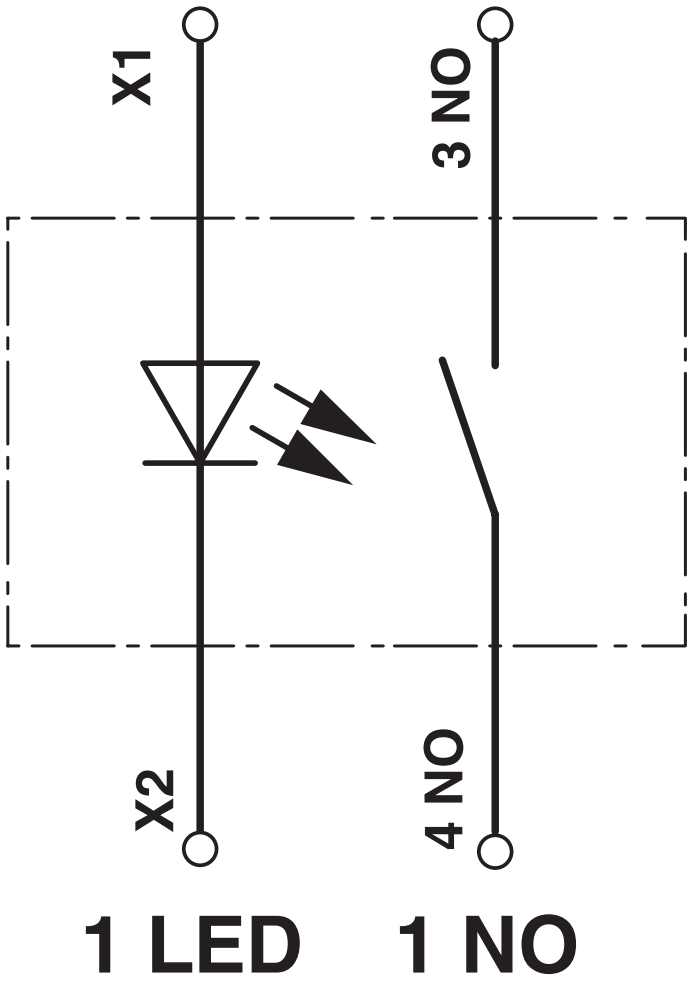
Standards/specifications	IEC 60947-5-1
	GB 14048.5
	UL 60947-5-1

Mounting

Mounting type	Panel mount
Tightening torque	1 Nm ... 1.2 Nm

Drawings

Circuit diagram



Approvals

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cULus Listed
Approval ID: E172140

CCC
Approval ID: 2024010305697836

TÜV Rheinland
Approval ID: R CN21G3UE 001

Classifications

ECLASS

ECLASS-15.0	27371228
ECLASS-13.0	27371228

ETIM

ETIM 10.0	EC001028

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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