PHT22-FR-RD/PT01 - Button

1108221

https://www.phoenixcontact.com/gb/products/1108221

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Flat button, 22 mm, circular, red, automatic reset, including a button head, module holder and a N/C contact module using push-in connection technology

Your advantages

- 22 mm push button set with push-in action
- Spring return (momentary action) – ideal for pulse/start functions
- Depending on the set variant, incl. contact module(s) (N/O / N/C, 1- or 2-way) – flexible in use
- Robust industrial design for durable use
- Designed for modular combination with PHT22 contact and LED modules

Commercial data

Item number	1108221
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE6122
Product key	BE6122
GTIN	4063151012533
Weight per piece (including packing)	38 g
Weight per piece (excluding packing)	35 g
Country of origin	CN

Technical data

Product properties

Product type	Actuator
Actuator type	Flat button
Function	Automatic reset
Extension of optional light source	No
with light source	No
Number of contacts as N/O contacts	0
Number of contacts as N/C contacts	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	5 W
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

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)
2 conductors with the same cross section, flexible, with ferrule with plastic sleeve	0.5 mm² ... 2.5 mm²
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℃) no condensation)

Standards and regulations

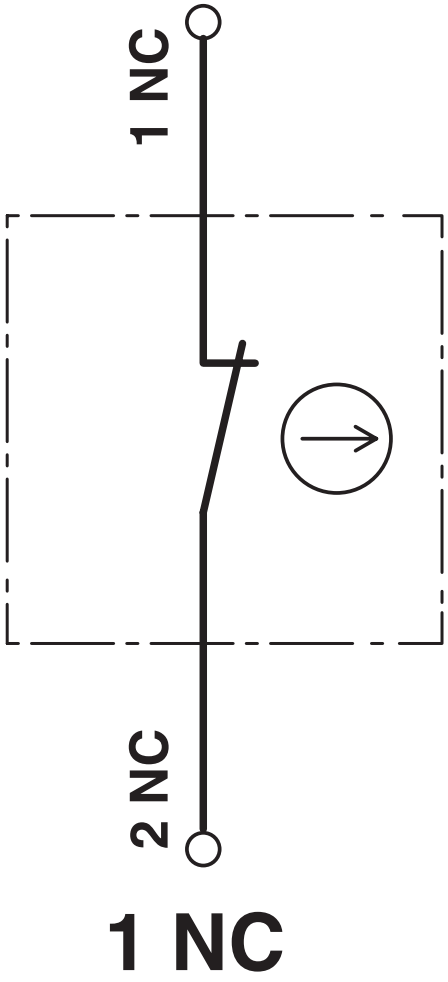
Standards/specifications	IEC 60947-5-1
	GB 14048.5
	UL 60947-5-1

Mounting

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

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1108221

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%

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk