PHT22-KS3R/PT20 - Key switch

1108307

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Key switch, 22 mm, circular, 3 switch positions, automatic reset, including a button head with 2 keys, module holder and 2 N/O contact module using push-in connection technology

Your advantages

- 22 mm key switch set with Push-in connection
- Spring return to center position (3/-45-0°-45°)
- 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	1108307
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE6122
Product key	BE6122
GTIN	4063151011086
Weight per piece (including packing)	75 g
Weight per piece (excluding packing)	69.7 g
Country of origin	CN

Technical data

Product properties

Product type	Actuator
Actuator type	Key switch
Function	Automatic reset
Extension of optional light source	No
Color (Housing)	silver-colored
with light source	否
Switching zones	3
Switching angle	45.00 ° leftward
	45.00 ° towards the right
Number of contacts as N/O contacts	2
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
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 Mounting	22 mm
Depth Installation	47.9 mm
Diameter Mounting	22.3 mm

Installation dimensions

Installation depth	47.9 mm

Material specifications

Color	silver-colored
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

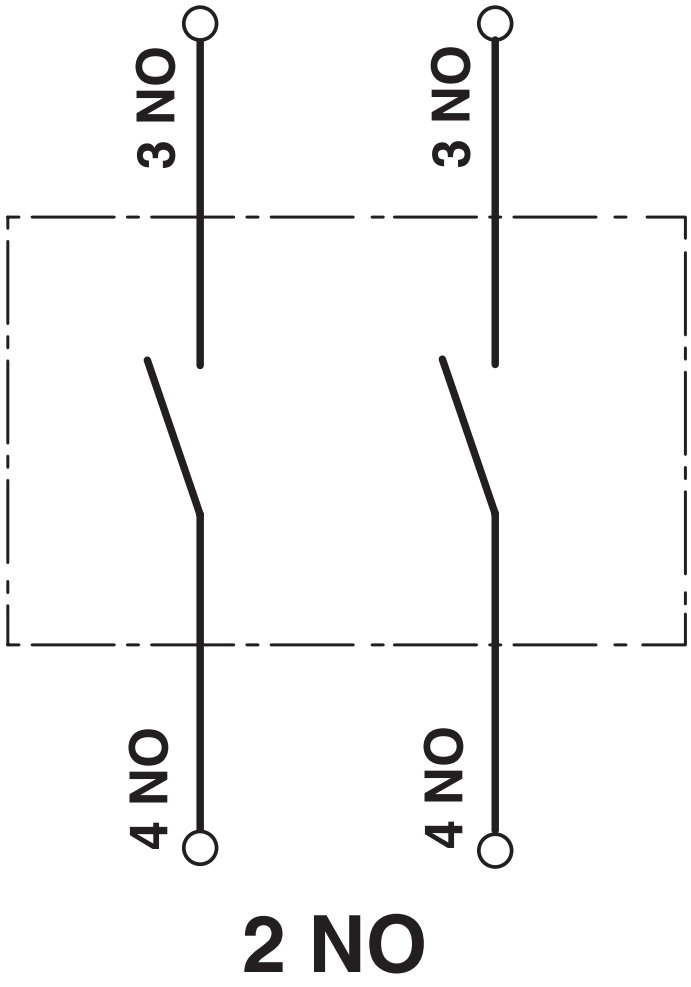
Standards/specifications	IEC 60947-5-1
	GB 14048.5
	UL 60947-5-1

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-13.0	27371243
ECLASS-15.0	27371243

ETIM

ETIM 10.0	EC001029

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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