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Illuminated push button

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K14-271.212091



<https://digikey.eao.com/component/K14-271.212...>

Your product:



K14-271.212091
Illuminated push button

PRODUCT RANGE

Product Status: Phase-out

FRONT

Front dimension: Ø 35 mm

Front form: Round

MOUNTING

Mounting cut-out: Ø 30.5 mm

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens colour: Colourless

Lens material: Plastic

Lens illumination: Illuminated

Lens shape: Flush

Lens optics: transparent

Illumination colour: Colourless

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

250 VAC, 5 A (ohmic)
 250 VAC, 3 A (Soldering terminal)
 250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$)
 220 VDC, 0.1 A (inductive, L:R = 30 ms)
 110 VDC, 0.2 A (inductive, L:R = 30 ms)
 60 VDC, 0.7 A (inductive, L:R = 30 ms)
 24 VDC, 2 A (inductive, L:R = 30 ms)

Contacts:	1 NC / 1 NO
Operating voltage:	24 V AC/DC
Operation current:	2.5/5 mA $\pm 15\%$
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 61058-1
Switching rating:	250 V AC @ 3 A
Electrical lifetime:	50 000 cycles of operation
Electric strength:	3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1
Protection class:	II
Standards:	According to EN/IEC 61058-1
Thermal current Ith:	3 A

MECHANICAL CHARACTERISTICS

Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Contact material:	Gold-plated silver
Switching action:	Maintained
Switching system:	Snap-action switching element
Switching system:	Self-cleaning, double-break snap action switching system (contact opening width 2 mm x 1.5 mm).
Mechanical lifetime:	1 Mil. cycles of operation (RCC/RPB)
Operating force:	5 N ... 8 N
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.25 Nm
Wire cross section:	Max. wire diameter 2 wires of 1 mm Max. wire cross-section of stranded cable 2 of 0.75 mm ² or 1 x 1.0 mm ²
Weight:	0.031 kg

AMBIENT CONDITION

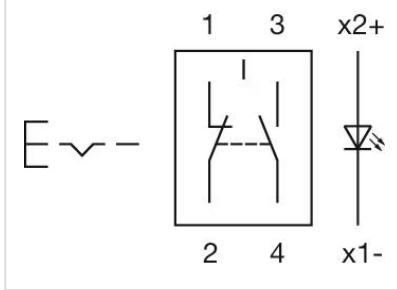
IP front protection:	IP67, according to DIN EN 60529
Operating temperature:	- 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely

Storage temperature:	- 40 °C ... + 85 °C
Shock resistance:	Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6)
Climate resistance:	Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30

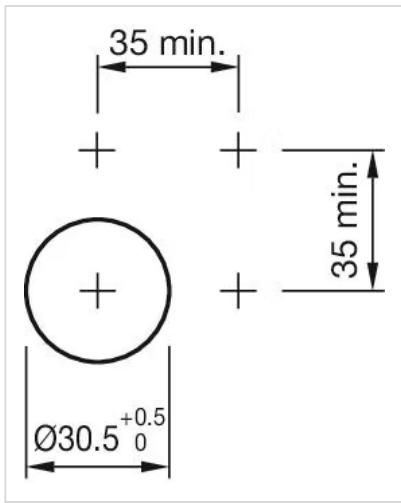
CERTIFICATE

Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

Short Description:	Illuminated push button, Maintained, 250 V AC @ 3 A, 24 V AC/DC, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm, Round, Colourless, Colourless
Housing colour:	Black
Housing material:	Plastic
Wiring diagrams:	

Mounting cut-outs:



Dimension drawings:

