

Shortron_ALLE

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Pushbutton with ring illumination and laser printing, for base-plate mounting



General Data

Type reference	S(VA)(SW)(T)(TLRx)(WA)(WB)(SSA...)(N)(STA)(STB)(L)(x)(I)(II)(O)(OO)(OI)(P)(_AU)
Description	Pushbuttons and switches, flat/raised version, with faston/PCB connection
Approvals	CCC, CE, cURus, DNV, ENEC10, VDE, UKCA
Contact type	2 NC / 1 NC + 1 NO / 2 NO / 1 NO / 1 NC
Degree of protection	IP65 / IP67 (T, TLR, N) IP65 (SSA, STA, STB, WA, WB)
Operation travel	2.3 mm
Connection type	Faston terminals 2.8 x 0.8 mm / PCB-mount terminals
Max. storage temperature	-40°C ... 80°C
Max. operating temperature	-25°C ... 70°C
Mechanical life	switching cycles: 1 million (T,TLR) 30,000 (WA,WB,STA,SSA)
Electrical life (rated load)	switching cycles: 1 million (T,TLR) 30,000(WA,WB,STA,SSA)
Contact resistance NO	< 20 mOhm
Contact resistance NC	< 20 mOhm
Min. current	1 mA (under laboratory conditions)
Min. voltage	5 V
Bouncing time NO	< 10ms
Bouncing time NC	< 10ms
Positive opening contact	acc. to EN60947-5-1, appendix K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

	alternate current	direct current
Utilisation category	AC15 B300	DC13 Q300
Rated insulation voltage Ui	250 V	250 V
Rated operating voltage Ue	240 V / 120 V	250 V / 125 V / 60 V / 24 V
Rated operating current Ie	1.5 A / 3 A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie



Continuous thermal current

5 A

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Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage U_e

250 V~

Rated current I_e

6(4) A

Technical Data - Lamp

Lamp socket

none, with integrated 3 mm LED white

Max. lamp voltage

30 V AC/DC

Max. lamp output

14 mA (at 24 V DC)

Definition

X1...anode, X2...cathode

Additional data

Mounting aperture

22.3 mm

Tightening torque (mounting nut)

1.5 ... 1.9 Nm

Mounting position

any

Standards

EN 60947-5-1, EN 61058-1

Electrical features - 5µm gold-plating, type addition ...AU

Operational voltage

127 V AC/DC

Switching current

1 mA ... 100 mA

Contact resistance (new state)

< 50 mOhm

Note

O = NC contact; I= NO contact

T...pushbutton

TLR(x)...pushbutton with LED ring (x=colour: W,R,Y,G,B)*2

N...pilot light

SSA...key actuator

STA, STB...selector switch momentary

WA, WB...selector switch maintained

Basic version with Faston terminals 2.8x0.8mm

(P) = type with PCB-mount terminals

DC13: > 100.000 switching cycles

Versions with Faston terminals: use partially or all-insulated Faston clamps

Overvoltage category II (2.5kV), pollution degree 2 for:

- illuminated versions (24 V LED)



- versions with 3rd contact
- versions with NO contacts (I, II, OI)

This data sheet is not applicable for the types "S..C.." (tactile versions of the Shortron range)

*2 with ring illumination

Data acc. to UL508

Rating

Pilot duty B300; 24 V dc/3 A; Au: 42 V dc/100 mA

