

Shortron_ALLE

20.04.2020

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, DNVGL, ENEC10, VDE, CE
Contact type:	2NC / 1NC+1NO / 2 NO /1NO / 1NC
Degree of protection:	IP65 / IP67 (T, TLR, N) IP65 (SSA, STA, STB, WA, WB)
Operation travel:	2.3 mm
Connection type:	Faston terminals 2.8x0.8 mm / PCB-mount terminals
Max. storage temperature:	-40°C ... 80°C
Max. operating temperature:	-25°C ... 70°C
Mechanical life:	1 million switching cycles (T,TLR) 30.000(WA,WB,S
Electrical life (rated load):	1 million switching cycles (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:	< 10 ms
Bouncing time NC:	< 10 ms
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 U_i	250 V	250 V
Rated operating voltage U_e	240V / 120V	250V / 125V / 60V / 24V
Rated operating current I_e	1.5A / 3A	0.27 A / 0.55 A / 1 A / 2 A
Breaking capacity	10Ie	1,1Ie
Continuous thermal current	5A	

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:	14mA (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:	20mV ... 42V AC/DC
Switching current:	1mA ... 100mA
Contact resistance (new state):	< 50 mOhm

Note

NC=NC contact; NO=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
 Versions with illumination (LED 24 V): overvoltage category II (2.5kV), pollution degree 2
 Versions with 3 contacts: overvoltage category II (2.5kV), pollution degree 2

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; 24dc/3A; Au: 42Vdc/100mA