



General Data

Type reference:	ET...
Description:	Contact block, positive opening contact
Approvals:	CE, CSA, UL
Protection class:	II (protective insulation)
Operation travel:	6 mm
Connection type:	screw connection: min: 1 x 0.5mm ² , 2 x 0.5mm ² max: 2 x 2.5mm ²
Contact material:	AgNi
Max. storage temperature:	-50°C ... 70°C
Max. operating temperature:	-30°C ... 70°C, without illumination -30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LEDs
Mechanical life:	1 million switching cycles
Electrical life (rated load):	1 million at 250 V/10(6) A 250,000 at 250 V/16(10) A 500,000 at 250 V/5 A (AC15)
Contact resistance NO:	< 20 mOhm (new state)
Contact resistance NC:	< 20 mOhm (new state)
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	DC13
Rated insulation voltage Ui:	400V	400V
Rated operating voltage Ue:	250V / 400V	400V / 250V / 125V / 60V / 24V
Rated operating current Ie:	5A / 3A	0.12A / 0.2A / 0.4A / 1A / 2A
Breaking capacity:	10Ie	1,1Ie
Continuous thermal current:	10A	

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

Rated voltage Ue:	250 V~ / 440 V~
Rated current Ie:	10(6) A / 6(3) A

Technical Data - Lamp

Lamp socket:	BA9s
Max. lamp voltage:	250 V / (CSA max. 150V)
Max. lamp output:	2 W
Definition:	X1...anode, X2...cathode

Electrical features - 5µm gold-plating, type addition _AU

Operational voltage:	20mV ... 42V AC/DC
Operational current:	1 mA ... 250 mA
Contact resistance (new state):	< 50 mOhm

General data

Tightening torque (screw terminal):	0.8...1.0 Nm
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Note

O = NC contact; I = NO contact

Note for emergency-stop contact blocks:

In case of inverters of the Za form (in terms of EN 60947-5-1), only the NC contact must be used for the remotely controlled safety circuit.

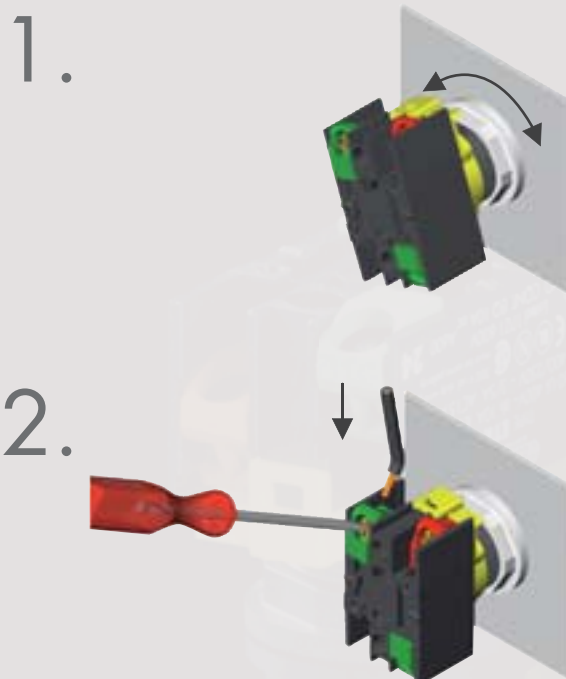


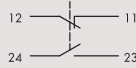


Illustration Description Type


IP00





0 1 2 3 4 5 6
 12/11
 24/23




Contact block, momentary
1NC + 1NO
 screw connection, finger-protected acc. to VBG4




suitable pushbuttons and switches:

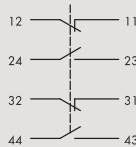


Contact material: AgNi **ETR**

IP00





0 1 2 3 4 5 6
 12/11
 24/23
 32/31
 44/43





Contact block, momentary
2NC + 2NO
 screw connection


min: 1 x 0.5 mm², 2 x 0.5 mm²
 max: 2 x 2.5 mm²

suitable pushbuttons and switches:

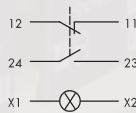


Contact material: AgNi **ETR2**

IP00






0 1 2 3 4 5 6
 12/11
 24/23






Illuminated contact block, momentary
1NC + 1NO
 screw connection, finger-protected acc. to VBG4
 Lamp socket BA9s

suitable pushbuttons and switches:

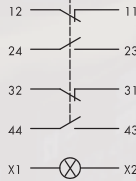


Contact material: AgNi **ETLR**

IP00






0 1 2 3 4 5 6
 12/11
 24/23
 32/31
 44/43





Illuminated contact block, momentary
2NC + 2NO
 screw connection, finger-protected acc. to VBG4
 Lamp socket BA9s

suitable pushbuttons and switches:



Contact material: AgNi **ETLR2**


IP00




X1 X2

Lampholder
 screw connection
 Lamp socket BA9s

suitable pilot light heads:



EL9R

Contact blocks E...

screw connections

MADE IN GERMANY



Illustration

Description

Type

IPOO



Lampholder compact

screw connection
max. 250V 2W
Lamp socket BA9s

suitable pilot light head:



L9R

Accessories



Ultra-bright LED, BA9s socket

with integrated bridge rectifier for 24V AC/DC, 15mA

Colour: white **LD9-24UW**



Mega-bright LED, BA9s

with integrated bridge rectifier for 24V .. 28V AC/DC, 15.5mA (typ. 24V)

Colour: white **LD9-24MW**



Ultra-bright LED, BA9s

with integrated single-wave rectifier for 230V AC, 3mA

Colour: white **LD9-230UW**



Flashing LED, BA9s

for 24V

Colour: green **LB9-24G**
red **LB9-24R**
yellow **LB9-24Y**

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