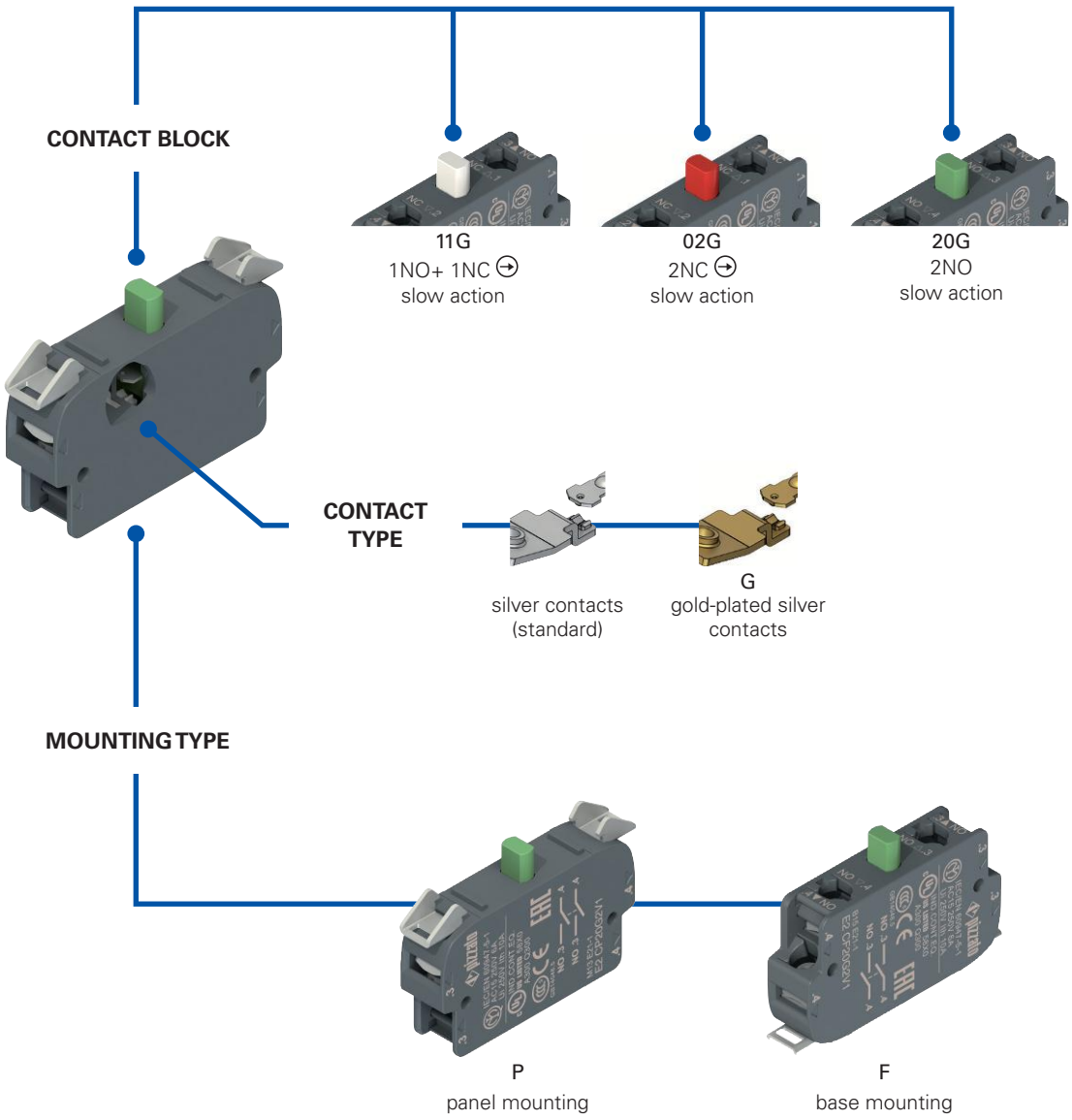
Selection diagram



Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

article options

E2 CP11G2V1-G

Mounting type	
P	panel mounting
F	base mounting

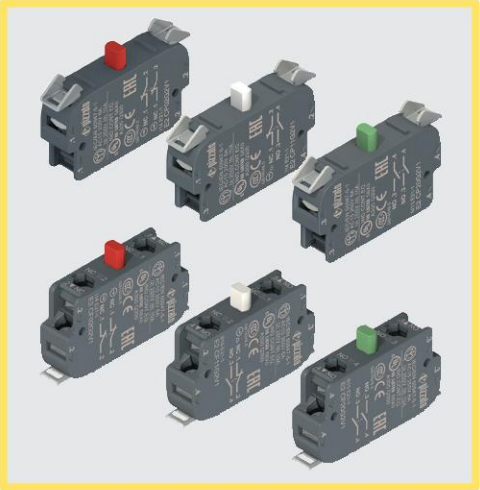
Contact block	
11G	1NO+1NC, slow action
02G	2NC, slow action
20G	2NO, slow action

Contact rating	
2	Ith 10A

Connection type	
V	clamping screws

Protection degree	
1	IP20 screw connection
2	IP20 screw connection with dust protection cap (panel mounting only)

Contact type	
	silver contacts (standard)
G	gold-plated silver contacts



Main features

- Highly reliable contact blocks provided with self-cleaning contacts with quadruple contact point
- Versions with gold-plated contacts
- Positive opening NC contacts acc. to IEC 60947-5-1

Quality marks:

IMQ approval:	CA02.04805
UL approval:	E131787
CCC approval:	2024010305656749
EAC approval:	RU Д-IT.PA07.B.37848/24

Technical data

General data

Protection degree:	IP20 acc. to EN 60529 at the terminals
Ambient temperature:	-40°C … +80°C
Mechanical endurance:	20 million operating cycles
Max. actuation frequency:	3600 operating cycles/hour
Utilization requirements:	See page 179

Contact block

Switching force of the contacts:	2NO: 1.7 N 2NC: 2 N 1NO+1NC:2.7 N (NO) / 2.2 N (NC)
Actuating force at limit of travel:	2NO: 3.8 N 2NC: 3.8 N 1NO+1NC: 4.5 N
Positive opening force:	17 N
Actuation speed:	min 1 mm/s max. 0.5 m/s
Safety parameter B_{10D}:	1,000,000 (NO), 40,000,000 (NC)
Material of the contacts:	Silver contacts (standard) For low current: silver contacts with 1 µm gold coating (on request)
Contact type:	"V-shape" self-cleaning contacts with quadruple contact point
Cable cross section:	min 1 x 0.34 mm² (1 x AWG 22) max. 2 x 1.5 mm² (2 x AWG 16)
Cable stripping length:	7 mm
Tightening torque of the terminal screws:	0.6 … 0.8 Nm

In compliance with standards:
IEC 60947-1, IEC 60947-5-1, IEC 60204-1, EN 60947-1, EN 60947-5-1, EN 60204-1, EN IEC 63000, UL 508, CSA C22.2 No. 14, GB/T14048.5.

⚠ Installation for safety applications:
Use only contact blocks marked with the symbol ⊖. The safety circuit must always be connected to **NC contacts** (normally closed contacts: .1-.2)

Compliance with the requirements of:
Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

Positive contact opening in conformity with standards:
IEC 60947-5-1, EN 60947-5-1.

Electrical data

Thermal current (I_{th}):	10 A
Rated insulation voltage (U_i):	250 Vac/dc
Protection against short circuits:	type gG/gL fuse 10 A 500 V
Rated impulse withstand voltage (U_{imp}):	4 kV
Pollution degree:	3

Utilization category

Alternating current: AC15 (50÷60 Hz)

Ue (V)	24	48	120	250
Ie (A)	6	6	6	6

Direct current: DC13

Ue (V)	24	48	125	250
Ie (A)	2.5	1.3	0.6	0.3

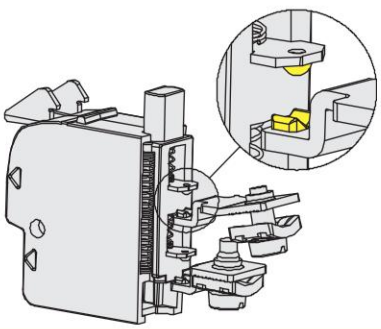
General data

Positive opening

All NC contacts are suitable for safety applications. The NC contacts are positive opening contacts acc. to IEC 60947-5-1.

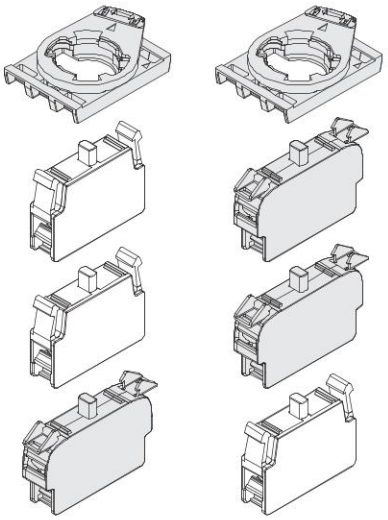
High-reliability self-cleaning contacts

"V-shape" self-cleaning contacts with quadruple contact point. This type of shape, thanks to the presence of the double contact point, makes it possible to drastically reduce the probability of contact commutation failure. In addition to this, it improves considerably the reliability in the presence of dust.



Modular design and compact dimensions

The double contact blocks of the EROUND series feature more compact dimensions compared to the other double contact blocks on the market.
Thanks to their compact dimensions, these versions can also be fixed on the base.
These double contact blocks have the same vertical dimensions of the single contact blocks of the EROUND series: this makes it possible to stack on more levels the single contact blocks with the double contact blocks and to interchange them during the assembly phase.



Features approved by UL

Electrical ratings: A300 pilot duty (720 VA, 120-240 V ac)) Q300 pilot duty (69 VA, 125-250 V dc)

Note:
Use 60 or 75 °C copper (CU) conductor and wire size range 16-22 AWG, stranded or solid.
The terminal tightening torque of 7.1 Lb In (0.8 Nm).

Please contact our technical department for the list of approved products.

Features approved by IMQ

Rated insulation voltage (U_i): 250 V
Conventional free air thermal current (I_{th}): 10 A
Rated impulse withstand voltage (U_{imp}): 4 kV
Protection degree of the housing: IP20
Utilization category: AC-15
Operating voltage (Ue): 250 Vac (50/60 Hz)
Operating current (Ie): 6 A

Forms of the contact element: Y+Y, X+X, Zb
Positive opening of contacts on contact blocks 11G, 02G
In compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

Please contact our technical department for the list of approved products.

Selection table for contact blocks

Packs of **5 pcs.**





Contact block	Panel mounting Screw connection	Base mounting Screw connection
1NO+1NC, slow action ⊖	E2 CP11G2V1	E2 CF11G2V1
2NO, slow action	E2 CP20G2V1	E2 CF20G2V1
2NC, slow action ⊖	E2 CP02G2V1	E2 CF02G2V1

Complete units with contact block and mounting adapter



Contacts pos. 2	Contacts pos. 3	Contacts pos. 1	Panel mounting Screw connection
-	1NO+ 1NC ⊖	-	E2 AC-XXBC0135 E2 1BAC11 + E2 CP11G2V1
	2NO		E2 AC-XXBC0136 E2 1BAC11 + E2 CP20G2V1
-	2NC ⊖	-	E2 AC-XXBC0137 E2 1BAC11 + E2 CP02G2V1

Other combinations on request.



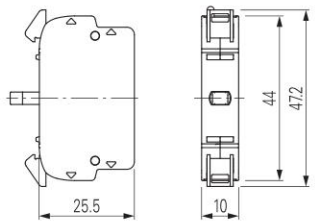
Contacts pos. 2	Contacts pos. 3	Contacts pos. 1	Panel mounting Screw connection
1NO+ 1NC ⊖	-	1NO+ 1NC ⊖	E2 AC-XXBC0138 E2 1BAC11 + E2 CP11G2V1+ E2 CP11G2V1

Other combinations on request.

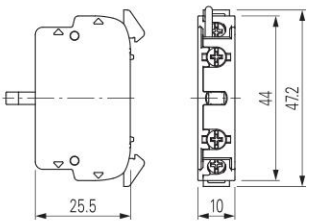
Dimensional drawings

All values in the drawings are in mm

Contact block for panel mounting E2 CP••G•••



Contact block for base mounting E2 CF••G•••



Dust protection

Packs of **50 pcs.**



Article	Description
VE PR3A70	Transparent dust protection for E2 series contact blocks. Suitable for all panel mounting contact blocks.

➔ The 2D and 3D files are available at **www.pizzato.com**