

 Bremas Ersce SpA

 Via castellazzo 9 - 20040 Cambiago (MI)

 Tel +39 02 95651611 Fax +39 02 95651639

 www.bremas.eu
 info@bremas.it

ISO 9001 Certified Quality System

Cod. FMV4R12100



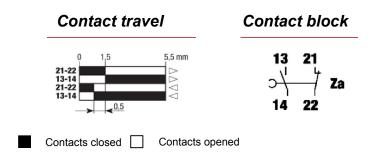
Standard and Approvals

Switch according to IEC/EN 60947-5-1: IEC255-7 cat.3; EN60529; IEC68-2-6; IEC68-2-27; EN50013

Œ

Characteristics

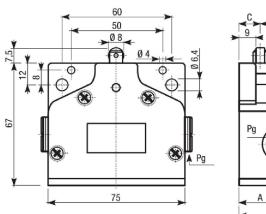
- Metal body and metal head
- IP64 protection degree
- · Steel roller plunger actuator
- 1NO+1NC snap action contact block
- · Contact block with positive opening
- · 2 cable entries
- Pg 13,5 thread
- Weight: 0,528 Kg



Dimensions

N° of actuators

4



Ρ

12

С

12

L

60

| | 1 |
|------|---|
| Pg D | |
| | |

Pg

13,5

| | | 1 | φ / | 7 |
|-----|----------|---|-----|---|
| | <u> </u> | | | |
| ¦ 🕞 | | | t | ¢ |

| φ | V max (m/s) | |
|-----------------------|-------------|------|
| 30° 1 | | |
| 20° | 1,5 | |
| Drive forces | | |
| Minimum command for | rce | 10 N |
| Minimum force on late | ral travel | 18 N |

- P = Pitch (distance between two actuators)
- C = Distance between bracket and first actuator
- L = Overall dimensions
- A = Distance between bracket and input/output holes

© 2014 Copyright Bremas Ersce. Subject to change without notice and errors excepted. Data reported in this paper are carefully checked and represent typical values of series production. The descriptions of the device and its applications, contexts of use, details of external controls, information on installation and operation are provided to the best of our knowledge. In any case, this does not mean that the features described may derive legal responsibilities that extend beyond the "Terms and Conditions" of Bremas Ersce. The customer / user is not absolved from the obligation to examine our information and recommendations and the relevant technical regulations before using the products for their own purposes.

А

30

Drive cam operating parameters



ISO 9001 Certified Quality System

Cod. FMV4R12100

| | | | | | TYPE | FMV |
|-----------------------------------|---------------|-----|------------------------------|----------------|-----------------|------------------------------|
| Maximum operating frequency | | | | ор | erat_/hour 1 | 1800 |
| nsulation resistance | | | | 500 V DC | MΩ | 100 |
| Dielectric strenght | | | 5 | 0/60 Hz for 1 | V AC | 2000 ² |
| Rated insulation voltage | | Ui | EC947-5-1 | | V AC | 500 |
| Rated thermal current | | the | EC947-5-1 | | A | 10 |
| Rated operating current | Category AC15 | le | EC947-5-1/EN60947-5-1 | 24V | A | 10 |
| | A300 | | | 125V | A | 10 |
| | | | | 230 V | А | 6 |
| | | | | 400 V | А | 4 |
| Contact resistance | | | EC255-7 cat 3 | initia value | mΩ | 25 |
| Short circuit protective devices | | | EC269 (IEC947-5-1) | | | |
| | | | fuse type gL or gG | | А | 10 |
| Pollution degree | | | EC947-5-1 | | А | 3 |
| Protection degree | | | EN 60529 | | | I P64 |
| Protection against electric shock | | | | meta | class | I |
| Vibration resistance | | | EC68-2-6 | | mm | 0,35 ± 15% |
| | | | | | | (10 ÷ 55 Hz ± 1 Hz) |
| Shock resistance | | | EC68-2-27 | 11ms | g | 30 |
| Mechanical life | | | | | cycles | 30.000.000 |
| Electric life | | | at 250V AC 6A with resistant | ce | | |
| | | | load cosq=1 | | cycles | 500.000 |
| | | | at 250V AC 6A with inductive | 9 | | |
| | | | load coq=0,4 | | cycles | 500.000 |
| Terminals | | | Туре | | | Screw with combined notch |
| | | | | | | and retractable plate |
| | | | | | | (notch Ph. Size 1) |
| | | | Screw | | | M3,5 |
| | | | Materia | | | Steel class 8,8 / Galvanized |
| | | | Max. screw tightening torque | Ne Ne | cm (Kg cm) | 120 (12,24) |
| | | | Max connecting capacity | rigid cable | mm ² | 2x1,5 |
| | | | | flexible cable | mm ² | 2x1,5 |
| | | | with prod terminal | | 1x1,5 | |
| Terminal numbering | | | | | | In accordance with EN50013 |
| Air ambient temperature | | | | operational | °C | - 10 ÷ +70 |
| A | | | | 5 | | (without formation of ice) |
| Relative umidity | | | | operational | | 95% max |

¹ One operation cycle means two movements, one to close and one to open as required by EN 60947-5

² Between terminals with different polarity; between live mechanical parts and ground; between live mechanical parts and non-current-carrying metal parts