

**PRODUCT DESCRIPTION:**

**EP1G16**

**PRODUCT CODE:**

**EP1G16ZM**

**DYNAMIC 3D VIEW:**



**STATIC 3D VIEW:**



Datasheet creation date: 14/08/2025 15:26



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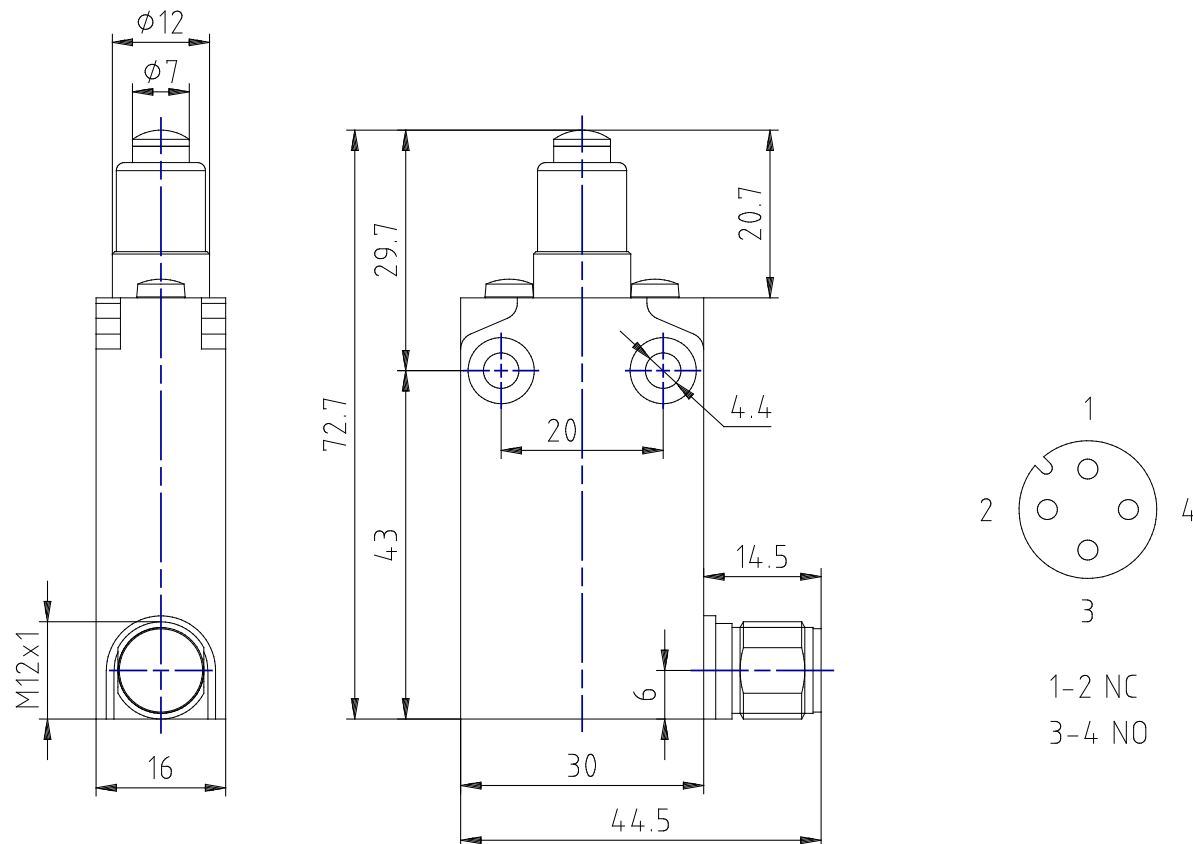


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# TECHNICAL VIEW:



| Z | 13 | 21 | 0     | 1.4 | 2.2 | 4.3 | 5.0mm |
|---|----|----|-------|-----|-----|-----|-------|
|   |    |    | 21-22 |     |     |     | △     |
|   |    |    | 13-14 |     |     |     | △     |
|   |    |    | 21-22 |     |     |     | △     |
|   | 14 | 22 | 13-14 |     |     |     | △     |

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## DETAILS:

|                                                                       |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| Code                                                                  | EP1G16ZM                                 |
| Casing Material                                                       | Reinforced thermoplastic                 |
| Width [mm]                                                            | 30                                       |
| Electrical connections                                                | Pre-wired with M12 connector - 4 poles   |
| IP protection rating                                                  | IP67                                     |
| Operating head                                                        | Plain plunger with dust protection cup   |
| Head Material                                                         | Metal                                    |
| Microswitch                                                           | Snap action contacts (1NO + 1NC)         |
| Approvals                                                             | IMQ - cULus - CCC - EAC                  |
| Reference Directives                                                  | LVD - 2014/35/EU                         |
| Reference regulations                                                 | IEC 60947-5-1 / EN 60947-5-1             |
| Operating Temperatures [°C]                                           | -25°C ... +70°C                          |
| Stock temperature [°C]                                                | -40°C ... + 70°C                         |
| Protection against electrical shocks                                  | Class II                                 |
| Rated insulation voltage UI [V]                                       | 250                                      |
| Pollution Degree                                                      | 3                                        |
| Contact rating secondo UL508                                          | Class II                                 |
| Rated impulse voltage Uimp contacts [kV]                              | 2.5                                      |
| Conventional thermal current in air free Ith (θ min 40 ° C) [A]<br>(θ | 4                                        |
| Short circuit protection (EU min 500Vac - fuses type gG (gI))<br>[A]  | 4                                        |
| Rated Operational Current Ie - AC-15 (50-60 Hz) [Vac - A]             | 24V - 4A / 120V - 4A / 240V - 3A         |
| Rated Operational Current DC-13 [Vdc - A]                             | 24V - 2.8A / 125V - 0.55A / 250V - 0.27A |
| Max. switching frequency [Cicli/h]                                    | 3600                                     |
| Resistance Between Contacts [mΩ]                                      | 25                                       |
| Connecting Terminals                                                  | 4 poles M12 male connector               |
| Connecting Cables Dimensions [mm²]                                    | /                                        |
| Protective Conductor Terminal                                         | /                                        |
| Marking Terminals                                                     | PIN NC: 1-2 / PIN NO: 3-4                |
| Mechanical durability (Millions of operations)                        | 10                                       |
| B10d (millions of operations)                                         | 20                                       |

### PRODUCT DRAWING RELEASE:

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