

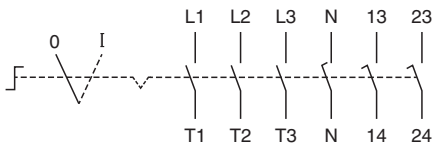
Switch Disconnecter Ex d IIB 100 A 4 Pole, Aluminum Enclosure

EJB4A.D.PS.DIS.100.3PN.2NO

- Switch disconnecter, 2 position with left OFF - 4x NO
- Labeling '0 - I'
- Auxiliary contacts - 2x NO
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Aluminum enclosure
- Ex d and Ex tb certified
- Padlockable switch
- Degree of protection IP66

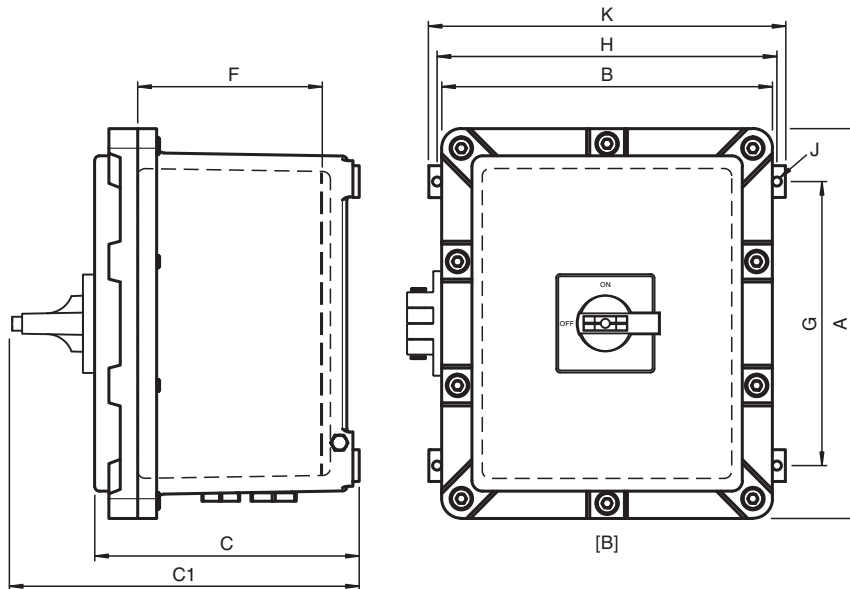


Wiring Diagram



| | | | | | | |
|---|----|----|----|---|----|----|
| | L1 | L2 | L3 | N | 13 | 23 |
| 0 | | | | | | |
| I | X | X | X | X | X | X |
| | T1 | T2 | T3 | N | 14 | 24 |

Dimensions



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Product Versions

Dimension values see data table.
 Real values might differ slightly due to manufacturing tolerances.
 Dimensions are valid for standard enclosures and IP66 variants only.
 Image and drawing are generic for this device type and may deviate from the specific variant.

Technical Data

| Electrical specifications | |
|-----------------------------------|--|
| Operating voltage | 690 V max. |
| Rated impulse withstand voltage | 6 kV |
| Rated frequency | 50Hz |
| Short circuit current limitation | recommended: 100 A, gG |
| Operating current | 100 A max. |
| Terminal capacity | |
| Main terminals capacity | 2x 1 mm ² ... 50 mm ² |
| Main terminals torque | 3 Nm |
| Grounding terminals capacity | 2x 2.5 mm ² ... 35 mm ² |
| Grounding terminals torque | 5 Nm min. |
| Rated insulation voltage | 690 V |
| Function | switch disconnecter |
| Color | black |
| Contact configuration | 4x NO |
| Switching configuration | 2 position with left OFF |
| Usage category | AC23: 690 V AC - 100 A AC3: 690 V AC - 100 A |
| Number of poles | 4 |
| Auxiliary contacts | 2x NO delayed, advanced opening |
| Auxiliary contacts usage category | AC15: 500 V AC - 1.5 A / 440 V AC - 3.0 A / 240 V AC - 6.0 A |
| Operator action | engage - engage |
| Lockable | in 'OFF' position |
| Labeling | 0 - I |
| Mechanical specifications | |
| Enclosure range | EJB |
| Enclosure cover | fully detachable |
| Cover fixing | stainless steel socket cap head screws |
| Screws | M8 |
| Number | 10 |
| Tightening torque | 20 Nm |
| Yield stress | min. 450 N/mm ² |
| Degree of protection | IP66 |
| Cable entry face B | |
| M20 quantity | 1 |
| M20 series | Stopping Plugs, Metal, Hexagon Head |
| M20 type | SP.MD.M20.BN.* |
| M40 quantity | 2 |
| M40 series | Stopping Plugs, Metal, Hexagon Head |
| M40 type | SP.MD.M40.BN.* |
| Defined entry area | face B |
| Material | |
| Enclosure | aluminum alloy |
| Finish | epoxy coated RAL 7005 (grey) |
| Mass | approx. 18.5 kg |
| Dimensions | values might differ slightly due to casting and manufacturing tolerances |
| External dimension (A) | 265 mm |
| External dimension (B) | 225 mm |

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Technical Data

| | |
|--|--|
| External dimension (C) | 180 mm |
| External dimension with operating element (C1) | 234.9 mm |
| Mounting holes distance (G) | 188 mm |
| Mounting holes distance (H) | 206 mm |
| Mounting holes diameter (J) | 8 mm |
| Maximum external dimension (K) | 248 mm |
| Tightening torque | |
| Nut torque at enclosure (SW1) | see datasheets of stopping plugs |
| Grounding | M6 external grounding points |
| Ambient conditions | |
| Ambient temperature | -20 ... 50 °C (-4 ... 122 °F) @ T6 |
| Data for application in connection with hazardous areas | |
| EU-type examination certificate | INERIS 14 ATEX 0022X |
| Marking | Ⓜ II 2 GD Ex d IIB+H ₂ T* Gb Ex tb IIIC Db |
| International approvals | |
| IECEX approval | IECEX INE 14.0029X |
| UKCA approval | CML 21 UKEX 1424X |
| Further approvals | further on request |
| Conformity | |
| Degree of protection | EN60529 |
| Usage category | IEC / EN 60947 |
| CE marking | 0080 or 0102, see type label |
| General information | |
| Supplementary information | EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com . |