

**Main switch, P3, 100 A, surface mounting, 3 pole + N, STOP function,
With black rotary handle and locking ring, Lockable in the 0 (Off)
position, in steel enclosure**



**Part no. P3-100/SE3/SVB-SW/N
197375**

| General specifications | | |
|---|--|---|
| Product name | | Eaton Moeller® series P3 Main switch |
| Part no. | | P3-100/SE3/SVB-SW/N |
| EAN | | 4015080896692 |
| Product Length/Depth | | 250 millimetre |
| Product height | | 155 millimetre |
| Product width | | 200 millimetre |
| Product weight | | 2.85 kilogram |
| Certifications | | IEC/EN 60947 VDE 0660 IEC/EN 60204 IEC/EN 60947-3 |
| Product Tradename | | P3 |
| Product Type | | Main switch |
| Product Sub Type | | None |
| Catalog Notes | | in steel enclosure Rated Short-time Withstand Current (I _{cw}) for a time of 1 second |
| Features & Functions | | |
| Features | | Version as maintenance-/service switch Version as main switch |
| Fitted with: | | Black rotary handle and locking ring |
| Functions | | STOP function Interlockable |
| Locking facility | | Lockable in the 0 (Off) position |
| Number of poles | | Four-pole |
| General information | | |
| Accessories | | Auxiliary contact fitted by user. |
| Degree of protection | | NEMA 12 |
| Degree of protection (front side) | | IP65 |
| Lifespan, mechanical | | 100,000 Operations |
| Mounting method | | Surface mounting |
| Mounting position | | As required |
| Operating frequency | | 1200 Operations/h |
| Overvoltage category | | III |
| Pollution degree | | 3 |
| Rated impulse withstand voltage (U _{imp}) | | 6000 V AC |
| Safe isolation | | 440 V AC, Between the contacts, According to EN 61140 |
| Safety parameter (EN ISO 13849-1) | | B10d values as per EN ISO 13849-1, table C.1 |
| Shock resistance | | 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms |
| Suitable for | | Ground mounting |
| Switching angle | | 90 ° |
| Climatic environmental conditions | | |
| Ambient operating temperature (enclosed) - min | | -25 °C |
| Ambient operating temperature (enclosed) - max | | 40 °C |
| Terminal capacities | | |
| Terminal capacity | | 2 x (2.5 - 10) mm ² , solid or stranded 1 x (2.5 - 35) mm ² , solid or stranded 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 |
| Tightening torque | | 3 Nm, Screw terminals |

| Electrical rating | | |
|--|--|---|
| Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3) | | 760 A |
| Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3) | | 740 A |
| Rated breaking capacity at 500 V (cos phi to IEC 60947-3) | | 880 A |
| Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3) | | 520 A |
| Rated operational current (Ie) at AC-21, 440 V | | 100 A |
| Rated operational current (Ie) at AC-23A, 230 V | | 100 A |
| Rated operational current (Ie) at AC-23A, 400 V, 415 V | | 100 A |
| Rated operational current (Ie) at AC-23A, 500 V | | 96 A |
| Rated operational current (Ie) at AC-23A, 690 V | | 68 A |
| Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V | | 71 A |
| Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V | | 71 A |
| Rated operational current (Ie) at AC-3, 500 V | | 65 A |
| Rated operational current (Ie) at AC-3, 660 V, 690 V | | 23.8 A |
| Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms | | 100 A |
| Rated operational current (Ie) at DC-23A, 24 V | | 50 A |
| Number of contacts in series at DC-23A, 24 V | | 1 |
| Rated operational current (Ie) at DC-23A, 48 V | | 50 A |
| Number of contacts in series at DC-23A, 48 V | | 2 |
| Rated operational current (Ie) at DC-23A, 60 V | | 50 A |
| Number of contacts in series at DC-23A, 60 V | | 2 |
| Rated operational current (Ie) at DC-23A, 120 V | | 25 A |
| Number of contacts in series at DC-23A, 120 V | | 3 |
| Rated operational power at AC-23A, 220/230 V, 50 Hz | | 30 kW |
| Rated operational power at AC-23A, 400 V, 50 Hz | | 55 kW |
| Rated operational power at AC-23A, 500 V, 50 Hz | | 55 kW |
| Rated operational power at AC-23A, 690 V, 50 Hz | | 55 kW |
| Rated operational power at AC-3, 380/400 V, 50 Hz | | 37 kW |
| Rated operational power at AC-3, 415 V, 50 Hz | | 37 kW |
| Rated operational power at AC-3, 690 V, 50 Hz | | 37 kW |
| Rated operational voltage (Ue) at AC - max | | 690 V |
| Rated uninterrupted current (Iu) | | 100 A |
| Uninterrupted current | | Rated uninterrupted current Iu is specified for max. cross-section. |
| Voltage per contact pair in series | | 60 V |
| Short-circuit rating | | |
| Rated conditional short-circuit current (Iq) | | 4 kA (Load side) 80 kA (Supply side) |
| Rated short-time withstand current (Icw) | | 2 kA |
| Short-circuit protection rating | | 100 A gG/gL, Fuse, Contacts |
| Switching capacity | | |
| Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3) | | 950 A |
| Load rating | | 1.6 x I# (with intermittent operation class 12, 40 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 2 x I# (with intermittent operation class 12, 25 % duty factor) |
| Contacts | | |
| Control circuit reliability | | 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) |
| Number of auxiliary contacts (change-over contacts) | | 0 |
| Number of auxiliary contacts (normally closed contacts) | | 0 |
| Number of auxiliary contacts (normally open contacts) | | 0 |
| Actuator | | |
| Actuator color | | Black |
| Actuator type | | Door coupling rotary drive |

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

| | | |
|---|----|----------------------------|
| Version as main switch | | No |
| Version as maintenance-/service switch | | Yes |
| Version as safety switch | | No |
| Version as emergency stop installation | | No |
| Version as reversing switch | | No |
| Number of switches | | 1 |
| Max. rated operation voltage Ue AC | V | 690 |
| Rated operating voltage | V | 690 - 690 |
| Rated permanent current Iu | A | 100 |
| Rated permanent current at AC-23, 400 V | A | 100 |
| Rated permanent current at AC-21, 400 V | A | 100 |
| Rated operation power at AC-3, 400 V | kW | 37 |
| Rated short-time withstand current Icw | kA | 2 |
| Rated operation power at AC-23, 400 V | kW | 55 |
| Switching power at 400 V | kW | 55 |
| Conditioned rated short-circuit current Iq | kA | 80 |
| Number of poles | | 4 |
| Number of auxiliary contacts as normally closed contact | | 0 |
| Number of auxiliary contacts as normally open contact | | 0 |
| Number of auxiliary contacts as change-over contact | | 0 |
| Motor drive optional | | No |
| Motor drive integrated | | No |
| Voltage release optional | | No |
| Device construction | | Complete device in housing |
| Suitable for floor mounting | | Yes |
| Suitable for front mounting 4-hole | | No |
| Suitable for front mounting centre | | No |
| Suitable for distribution board installation | | No |
| Suitable for intermediate mounting | | No |
| Colour control element | | Black |
| Type of control element | | Door coupling rotary drive |
| Interlockable | | Yes |
| Type of electrical connection of main circuit | | Screw connection |
| Degree of protection (IP), front side | | IP65 |
| Degree of protection (NEMA) | | 12 |