Main switch, P1, 25 A, surface mounting, 3 pole, 1 N/O, 1 N/C, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position, in steel enclosure



Part no. P1-25/SE1/SVB-SW/HI11 197350

| General specifications | |
|--|--|
| Product name | Eaton Moeller® series P1 Main switch |
| Part no. | P1-25/SE1/SVB-SW/HI11 |
| EAN | 4015080894872 |
| Product Length/Depth | 200 millimetre |
| Product height | 135 millimetre |
| Product width | 150 millimetre |
| Product weight | 1.7 kilogram |
| Certifications | IEC/EN 60947-3 IEC/EN 60947 VDE 0660 IEC/EN 60204 |
| Product Tradename | P1 |
| Product Type | Main switch |
| Product Sub Type | None |
| Catalog Notes | in steel enclosure Rated Short-time Withstand Current (Icw) for a time of 1 second |
| eatures & 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 | Three-pole |
| General information | |
| Accessories | Auxiliary contact or neutral conductor fitted by user. |
| Degree of protection | NEMA 12 |
| Degree of protection (front side) | IP65 |
| Lifespan, mechanical | 300,000 Operations |
| Mounting method | Surface mounting |
| Mounting position | As required |
| Operating frequency | 1200 Operations/h |
| Overvoltage category | III |
| Pollution degree | 3 |
| Rated impulse withstand voltage (Uimp) | 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 |
| erminal capacities | |
| Terminal capacity | 1 x (1.5 - 6) mm ² , solid or stranded 1 x (1 - 4) mm ² , flexible with ferrules to DIN 46228 2 x (1 - 4) mm ² , flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm ² , solid or stranded |
| Screw size | M4, Terminal screw |

| 1.6 Nm, Screw terminals 14 Nm, Screw terminals |
|---|
| |
| 190 A |
| 150 A |
| 170 A |
| 150 A |
| 25 A |
| 25 A |
| 25 A |
| 17.4 A |
| 12 A |
| 19.6 A |
| 15.2 A |
| 12.1 A |
| 8.8 A |
| 25 A |
| 25 A |
| 1 |
| 25 A |
| 2 |
| 25 A |
| 2 |
| 12 A |
| 3 |
| 5.5 kW |
| 13 kW |
| 11 kW |
| 11 kW |
| 7.5 kW |
| 7.5 kW |
| 7.5 kW |
| 690 V |
| 25 A |
| Rated uninterrupted current lu is specified for max. cross-section. |
| 60 V |
| |
| 50 kA |
| 640 A, Contacts, 1 second 0.64 kA |
| 25 A gG/gL, Fuse, Contacts |
| |
| 240 A |
| 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 2 x I# (with intermittent operation class 12, 25 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor) |
| |
| 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) |
| 0 |
| 1 |
| 1 |
| |
| Black |
| |
| Door coupling rotary drive |
| |

| 10.2.2 Corrosion resistance | Meets the product standard's requirements. |
|--|--|
| 10.2.3.1 Verification of thermal stability of enclosures | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | Meets the product standard's requirements. |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | Meets the product standard's requirements. |
| 10.2.5 Lifting | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | Meets the product standard's requirements. |
| 10.3 Degree of protection of assemblies | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | Is the panel builder's responsibility. |
| 10.9.2 Power-frequency electric strength | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility. |
| 10.10 Temperature rise | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must b observed. |
| 10.13 Mechanical function | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 8.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

| 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 lu | Α | 25 |
| Rated permanent current at AC-23, 400 V | Α | 25 |
| Rated permanent current at AC-21, 400 V | Α | 25 |
| Rated operation power at AC-3, 400 V | kW | 7.5 |
| Rated short-time withstand current lcw | kA | 0.64 |
| Rated operation power at AC-23, 400 V | kW | 13 |
| Switching power at 400 V | kW | 11 |
| Conditioned rated short-circuit current Iq | kA | 50 |
| Number of poles | | 3 |
| Number of auxiliary contacts as normally closed contact | | 1 |
| Number of auxiliary contacts as normally open contact | | 1 |
| 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 |