DATASHEET - P5-160/EA/SVB

Main switch, P5, 160 A, flush mounting, 3 pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



| Part no. | P5-160/EA/SVB |
|-----------|---------------|
| | 280922 |
| EL Number | 1417179 |
| (Norway) | |

General specifications

| General specifications | |
|--|---|
| Product name | Eaton Moeller® series P5 Main switch |
| Part no. | P5-160/EA/SVB |
| EAN | 4015082809225 |
| Product Length/Depth | 115 millimetre |
| Product height | 150 millimetre |
| Product width | 130 millimetre |
| Product weight | 1.142 kilogram |
| Certifications | CSA-C22.2 No. 94 UL UL 508 IEC/EN 60204 VDE 0660 IEC/EN 60947 CSA File No.: 223805 CSA Class No.: 3211-05 IEC/EN 60947-3 CSA CSA-C22.2 No. 14-05 UL File No.: E36332 UL Category Control No.: NLRV, NLRV7 CE |
| Product Tradename | P5 |
| Product Type | Main switch |
| Product Sub Type | None |
| Catalog Notes | Rated Short-time Withstand Current (Icw) for a time of 1 second |
| Features & Functions | |
| Features | Version as emergency stop installation Version as maintenance-/service switch Version as main switch |
| Fitted with: | Red rotary handle and yellow locking ring |
| Functions | Emergency switching off function Interlockable |
| Locking facility | Lockable in the 0 (Off) position |
| Number of poles | 3 |
| General information | |
| Accessories | Auxiliary contact or neutral conductor fitted by user. |
| Degree of protection | NEMA 12 |
| Degree of protection (front side) | IP65 |
| Lifespan, mechanical | 100,000 Operations |
| Mounting method | Flush mounting |
| Mounting position | As required |
| Operating frequency | 50 Operations/h |
| Overvoltage category | |
| Pollution degree | 3 |
| Rated impulse withstand voltage (Uimp) | 8000 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 |
| Suitable for | Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA) |
| Climatic environmental conditions | |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 50 °C |

| Ambient operating temperature (enclosed) - min | -25 °C |
|--|--|
| Ambient operating temperature (enclosed) - max | 40 °C |
| Climatic proofing | Damp heat, cyclic, to IEC 60068-2-30 |
| Terminal capacities | Damp heat, constant, to IEC 60068-2-78 |
| Terminal capacity | 2 x 13 x 1.5 mm Number of segments x width x thickness, copper strip 2/0 AWG, flexible 1 x 95 mm ² , solid or stranded 3/0 AWG, solid or flexible conductor with ferrule 1 x 70 mm ² , flexible with ferrules to DIN 46228 2 x 35 mm ² , solid or stranded 1 x 13 x 3 mm Number of segments x width x thickness, copper strip 2 x 25 mm ² , flexible with ferrules to DIN 46228 |
| Screw size | 5 mm AF, Hexagon socket-head spanner, Terminal screw |
| Tightening torque | 14 Nm, Screw terminals 125 Ib-in, Screw terminals |
| Electrical rating | |
| Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3) | 900 A |
| Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3) | 850 A |
| Rated breaking capacity at 500 V (cos phi to IEC 60947-3) | 850 A |
| Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3) | 340 A |
| Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V | 103 A |
| Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V | 85 A |
| Rated operational current (Ie) at AC-3, 500 V | 80 A |
| Rated operational current (Ie) at AC-3, 660 V, 690 V | 42 A |
| Rated operational current (le) at AC-21, 440 V | 160 A |
| Rated operational current (Ie) at AC-23A, 230 V | 103 A |
| Rated operational current (Ie) at AC-23A, 400 V, 415 V | 105 A |
| Rated operational current (Ie) at AC-23A, 500 V | 106 A |
| Rated operational current (Ie) at AC-23A, 690 V | 42 A |
| Rated operational current (Ie) at DC-1, load-break switches l/r = 1 ms | 160 A |
| Rated operational current (Ie) at DC-23A, 24 V | 160 A |
| Rated operational current (Ie) at DC-23A, 48 V | 160 A |
| Rated operational current (Ie) at DC-23A, 60 V | 160 A |
| Rated operational current (Ie) at DC-23A, 120 V | 50 A |
| Rated operational power at AC-3, 380/400 V, 50 Hz | 45 kW |
| Rated operational power at AC-3, 415 V, 50 Hz | 45 kW |
| Rated operational power at AC-3, 500 V, 50 Hz | 55 kW |
| Rated operational power at AC-3, 690 V, 50 Hz | 37 kW |
| 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 | 75 kW |
| Rated operational power at AC-23A, 690 V, 50 Hz | 37 kW |
| Rated operational voltage (Ue) at AC - max | 690 V |
| Rated uninterrupted current (Iu) | 160 A |
| Uninterrupted current | Rated uninterrupted current lu is specified for max. cross-section. |
| Short-circuit rating | |
| Rated conditional short-circuit current (Iq) | 30 kA |
| Rated short-time withstand current (Icw) | 3 kA, Contacts, 1 second 3 kA |
| Short-circuit current rating (basic rating) | 10 kA, SCCR (UL/CSA) 400A Class RK1, max. Fuse, SCCR (UL/CSA) |
| Short-circuit current rating (high fault) | 65 kA, SCCR (UL/CSA) 300 A, Class J, max. Fuse, SCCR (UL/CSA) |
| Short-circuit protection rating | 160 A gG/gL, Fuse, Contacts |
| Switching capacity | |
| Load rating | 1.6 x l# (with intermittent operation class 12, 40 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) |
| Number of contacts in series at DC-23A, 24 V | 3 |

| Number of contacts in series at DC-203, 80 V 3 Number of contacts in series at DC-203, 100 V 3 Solucing capacity leasility contacts, general use) 300 A first durinterrupted current max. (UUCSA) Solucing capacity leasility contacts, general use) 400 A first durinterrupted current max. (UUCSA) Badder making capacity leasility contacts, general use) 400 A first durinterrupted current max. (UUCSA) Number of contacts, general use) 400 A first durinterrupted current max. (UUCSA) Matter rating capacity ip etfol Vice and Info TM 0085701 400 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power at 115/20 V, 68 IV, 3-phase 201 P Assigned matter power | | |
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| Number of contracts in series at DC-23A, 123 V 2 Switching capacity (unancents, general use) 200A, Rated uninterrupted current max, UU(CSA) Switching capacity (use) 200A, Rated uninterrupted current max, UU(CSA) Switching capacity (use) 200A Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, L, spinse 200P Assigned motor power at SUS2 VB, UB, | Number of contacts in series at DC-23A, 48 V | 3 |
| Soltching capacity (main contacts, general use) Image: Soltching capacity (mains contacts, general use) Image: Soltching capacity (mains contacts, general use) Soltching capacity (mains contacts, general use) Image: Soltching capacity (mains contacts, general use) Image: Soltching capacity (mains contacts, general use) Soltching capacity (mains contacts, general use) Image: Soltching capacity (mains contacts, general use) Image: Soltching capacity (mains contacts, general use) Assigned motor power at 115/120 V.60 Hz, 1-phase Image: Soltching capacity (mains contacts) Image: Soltching capacity (mains contacts) Assigned motor power at 115/120 V.60 Hz, 1-phase Image: Soltching capacity (mains contacts) Image: Soltching capacity (mains contacts) Assigned motor power at 257 V.60 Hz, 1-phase Image: Soltching capacity (mains contacts) Image: Soltching capacity (mains contacts) Assigned motor power at 550800 V.60 Hz, 3-phase Image: Soltching capacity (mains contacts) Image: Soltching capacity (mains contacts) Number of auxiliary contacts (change-ever contacts) Image: Soltching contacts) Image: Soltching contacts) Image: Soltching contacts (mains) Soltching contacts (mains) Image: Soltching contacts) Image: Soltching contacts) Image: Soltching contacts) Soltching contacts (mains) Image: Soltching contacts) Image: Soltching contacts) Image: Soltching contacts) Soltching contacts (mains) Image: Soltching contacts) < | | |
| Switching capacity (auxiliary contracts, parenal use) IA (U, UUCSA) Switching capacity (auxiliary contracts, plot dary) Addit (UUCSA) Noting a contract put to 800 (Ico ph to ECCRN 600/-3) IOA Noting a contract put to 800 (Ico ph to ECCRN 600/-3) IOA Noting a contract put to 180 (ICU CSA) IOA Assigned notor power at 15/200 (Io HL, 1-phase IOA Assigned notor power at 15/200 (Io HL, 2-phase IOA Assigned notor power at 200 (Io LL, 2-phase IOA Assigned notor power at 200 (Io LL, 2-phase IOA Assigned notor power at 200 (IO LL, 2-phase IOA Assigned notor power at 200 (IO LL, 2-phase IOA Assigned notor power at 200 (IO LL, 2-phase IOA Control ciccu risubility IOA Number of auxiliary contracts (normally case contracts) IoA | | |
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| Rated making capacity up to 189 V (cos phi to IECEN 80947-3) 1080 A Worker particular prioring and the prior of power at 115/120 V (60 Hz, 3 phase) 101 HP Assigned motor power at 220 (20 Hz, 3 phase) 101 HP Assigned motor power at 220 (20 V (60 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 V (60 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 1 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 20 HP Contract: 20 HP Assigned motor power at 220 (20 Hz, 3 phase) 0 Contract: 0 HP Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 phase) 0 Assigned motor power at 220 (20 Hz, 3 | | |
| Voltage per contact pair in series 42 V Motor rating 64 (1) (1) (2) (0) (1) (1, 1) (2) (0) (1, 1, 1) (2) (2) (1) (1) (1) (2) (2) (1) (1) (2) (2) (1) (1) (2) (2) (1) (2) (1) (2) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1 | | |
| Assigned motor power at 115/120 V. 00 Hz. 1-phase 10 HP Assigned motor power at 232/200 V. 00 Hz. 3-phase 22 HP Assigned motor power at 232/200 V. 00 Hz. 3-phase 22 HP Assigned motor power at 232/200 V. 00 Hz. 3-phase 26 BHP Assigned motor power at 232/200 V. 00 Hz. 3-phase 26 BHP Assigned motor power at 232/200 V. 00 Hz. 3-phase 26 BHP Assigned motor power at 252/200 V. 00 Hz. 3-phase 26 BHP Assigned motor power at 55/500 V. 00 Hz. 3-phase 26 BHP Control circular reliability 11/lifuer per 100,000 switching operations statistically determined, at 24 V DC, 1 Number of auxiliary contacts (chomedy open contacts) 0 Number of auxiliary contacts (hommady open contacts) 0 Number of auxiliary contacts (hommady open contacts) 0 Returbor 0 Actuator color Red Actuator color 500 Returbor or self, Prids 500 Batted operational stability of enclearures 000 102.21 Verification on thermal stability of enclearures 000 Duipner thro adisignation, courrent-dependent Pvid 500 Heat dissignation consertification on thermal stability of enclearures 20 Ber coupling retary drive< | | |
| Assigned motor power at 115/120 V, 60 Hz, 1-phase 10 HP Assigned motor power at 115/120 V, 60 Hz, 3-phase 23 HP Assigned motor power at 2270 V, 60 Hz, 1-phase 23 HP Assigned motor power at 2270 V, 60 Hz, 1-phase 23 HP Assigned motor power at 277 V, 60 Hz, 1-phase 26 HP Assigned motor power at 277 V, 60 Hz, 1-phase 26 HP Assigned motor power at 277 V, 60 Hz, 1-phase 26 HP Assigned motor power at 277 V, 60 Hz, 1-phase 26 HP Assigned motor power at 277 V, 60 Hz, 3-phase 26 HP Control circuit reliability 1 Silver per 100,000 switching operations statistically determined, at 24 V D, 1 Number of auxiliary contacts (hormally clased contacts) 0 Number of auxiliary contacts (normally clased contacts) 0 Actuator rule 0 Actuator rule 26 HP Equipment heat dissignation, current-dependent Pvid 8 M Batic disperitorial current dependent Pvid 10 UV Heat dissignation acurent dependent Pvid 5 W Batic disperitorial current dependent Pvid 10 UV 102.22 Corrison resistance 10 W 102.22 Urefication of resistance of insubiting | | 42 V |
| Assigned motor power at 115/120 /k 08 Hz. 3-phase P Assigned motor power at 210 (20140 /k 08 Hz. 3-phase) P Assigned motor power at 20040 /k 01 Hz. 3-phase P Assigned motor power at 250 (400 /k 05 Hz. 3-phase) P Assigned motor power at 250 (400 /k 05 Hz. 3-phase) P Control circuit reliability P Control circuit reliability Ialitre per 100,000 switching operations statistically determined, at 24 V DC, 1 Number of axaility contracts (hormally cosed contracts) P Number of axaility contracts (hormally cosed contracts) P Number of axaility contracts (hormally cosed contracts) P Actuator color Red Actuator color P Actuator color P Red adsignation, current-dependent Pvid P Beign worth fiction P Build signation, current-dependent Pvid P Read contractor of resistance P Read contractor of resistance P Build per admotor of resistance P Build per admotor product standard's requirements. P Read contractor of resistance P Build per admotor pre Polic, current-dependent Pvid <t< td=""><td>Motor rating</td><td></td></t<> | Motor rating | |
| Asigned motor power at 202404 V, 60 Hz, 1-phase 25 HP Asigned motor power at 202404 V, 60 Hz, 3-phase 40 HP Asigned motor power at 270 V, 60 Hz, 3-phase 26 HP Asigned motor power at 25004 V, 60 Hz, 3-phase 60 HP Assigned motor power at 25000 V, 60 Hz, 3-phase 60 HP Control circuit reliability 7 Halvro par 100,000 switching operations statistically determined, at 24 V DC, 1 Number of auxiliary contacts (change-over contacts) 0 Actuator olar 8 0 Actuator olar 8 0 Actuator type 0 0 Beign displants heat dissipation, current-dependent Poid 5 0 Related operation of resistance of insulating materials to normal heat 100 A 100 A 102.23 Verification of resistanc | Assigned motor power at 115/120 V, 60 Hz, 1-phase | 10 HP |
| Assigned motor power at 2024bV V, 60 Hz, 2-phase Image: Control oper at 2024bV, 60 Hz, 2-phase Image: Control oper at 2024bV, 60 Hz, 2-phase Assigned motor power at 277 V, 60 Hz, 3-phase Image: Control oper at 250,600 V, 60 Hz, 3-phase Image: Control oper at 250,600 V, 60 Hz, 3-phase Control of circuit reliability Image: Control of circuit reliability Image: Control of circuit reliability Number of auxiliary contacts (home)-over contacts) Image: Control of circuit reliability Image: Contact (Contacts) Number of auxiliary contacts (home)-over contacts) Image: Contact (Contacts) Image: Contact (Contacts) Number of auxiliary contacts (home)-over contacts) Image: Contact (Contacts) Image: Contact (Contacts) Number of auxiliary contacts (home)-over contacts) Image: Contact (Contacts) Image: Contact (Contacts) Number of auxiliary contacts (home)-over contacts) Image: Contact (Contacts) Image: Contact (Contacts) Reduence (Contacts) Image: Contact (Contacts) Image: Contact (Contacts) Image: Contact (Contacts) Design verification Image: Contact (Contacts) Image: Contact (Contacts) Image: Contact (Contacts) Read operation (Contact (Contact (Contacts)) Image: Contact (Contact (Contac | Assigned motor power at 115/120 V, 60 Hz, 3-phase | 20 HP |
| Assigned motor power at 27 V, 60 Hz, 1-phase 25 HP Assigned motor power at 450(480 V, 60 Hz, 3-phase 60 HP Contracts 60 HP Contracts 1falure per 100,000 switching operations statistically determined, at 24 V DC, 1 mA/s Control circuit reliability 1falure per 100,000 switching operations statistically determined, at 24 V DC, 1 mA/s Number of auxiliary contacts (hange-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Actuator 0 Actuator color Red Actuator type 0 Puerification 0 Equipment hast dispation, current-dependent Pvid 0 Heat dissipation per pole, current-dependent Pvid 0 Heat dissipation neutrent for specified heat dissipation (In) 160 A 102.22 Corrisol resistance 0W 102.22 Verification of thremal stability of enclosures Meets the product standard's requirements. 102.22 Verification of tresistance of insulating materials to normal heat Meets the product standard's requirements. 102.22 Verification of tresistance of insulating materials to normal heat Meets the product standard's requirements. 102.22 Verification of tresistance of insulating materials to normal heat Meets | Assigned motor power at 230/240 V, 60 Hz, 1-phase | 25 HP |
| Assigned motor power at 48/480 (6b H2,3-phase 60 HP Assigned motor power at 575600 V,60 H2,3-phase 60 HP Contracts 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 failure per 100,000 switc | Assigned motor power at 230/240 V, 60 Hz, 3-phase | 40 HP |
| Assigned motor power at 575/600 V, 60 Hz, 2-phase Image: Provide the structure of the | Assigned motor power at 277 V, 60 Hz, 1-phase | 25 HP |
| Contracts Infailure per 100,000 switching operations statistically determined, at 24 V DC, InAA Number of auxiliary contacts (hange-over contacts) Infailure per 100,000 switching operations statistically determined, at 24 V DC, InAA Number of auxiliary contacts (hange-over contacts) Index of auxiliary contacts (hange-over contacts) Number of auxiliary contacts (hange-over contacts) Index of auxiliary contacts (hange-over contacts) Number of auxiliary contacts (hange) cover contacts) Index of auxiliary contacts (hange-over contacts) Actuator color Red Actuator color Red Actuator type Door coupling rotary drive Design verification V Red operational current-dependent Pvid V Heat dissipation, current-dependent Pvid V Read operational current for specified heat dissipation (In) SW Static heat dissipation, nor-current-dependent Pvid V It2.23 Verification of resistance Meets the product standard's requirements. It2.23 Verification of resistance of insularing materials to normal heat Meets the product standard's requirements. It2.24 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. It2.23 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchga | Assigned motor power at 460/480 V, 60 Hz, 3-phase | 60 HP |
| Control circuit reliability Infalure per 100,000 switching operations statistically determined, at 24 U.D., 1 Number of auxiliary contacts (hange-over contacts) Image: Provide statistically determined, at 24 U.D., 1 Number of auxiliary contacts (hongaly contacts) Image: Provide statistically determined, at 24 U.D., 1 Number of auxiliary contacts (hongaly contacts) Image: Provide statistically determined, at 24 U.D., 1 Number of auxiliary contacts (hongaly contacts) Image: Provide statistically determined, at 24 U.D., 1 Actuator Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Actuator color Image: Provide statistically determined, at 24 U.D., 1 Bactarocolor Image: Provide statistically dete | Assigned motor power at 575/600 V, 60 Hz, 3-phase | 60 HP |
| Image: mail and | Contacts | |
| Number of auxiliary contacts (normally closed contacts)Image: Contacts (normally closed contacts)Image: Contacts (normally closed contacts)ActuatorContacts (normally closed contacts)Contacts (normally closed contacts)Actuator colorRedActuator typeContacts (normally closed contacts)Design verificationSolor coupling rotary driveEquipment heat dissipation, current-dependent PvidSolor coupling rotary driveHeat dissipation per pole, current-dependent PvidSolor Coupling rotary driveRated operational current for specified heat dissipation (In)Solor Coupling rotary driveStatic heat dissipation, on-current-dependent PvidGolo A10.2.2 Verification of resistanceWets the product standard's requirements.10.2.3 Iverification of thrmal stability of enclosuresWets the product standard's requirements.10.2.3 Resist of insult mat to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.10.2.2 Utrigication of resistance of insulating materials to normal heat/fire by internal elect. effectsDoes not apply, since the entire switchgear needs to be evaluated.10.2.3 Resist. of insult. mat to abnormal heat/fire by internal elect. effectsDoes not apply, since the entire switchgear needs to be evaluated.10.2.1 UtrigitionsMeets the product standard's requirements.10.2.2 InscriptionsDoes not apply, since the entire switchgear needs to be evaluated.10.2.3 Resist. of insult. mat to abnormal heat/fire by internal elect. effectsDoes not apply, since the entire switchgear needs to be evaluated.10.2.1 ResignationDoes not ap | Control circuit reliability | 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) |
| Number of auxiliary contacts (normally open contacts) P Actuator Red Actuator color Red Actuator color Red Actuator type Dor couping rotary drive Design verification 5W Equipment heat dissipation, current-dependent Pvid Mumber of auxiliary contracts (actuator type) Heat dissipation capacity Pdiss W Rated operational current for specified heat dissipation (In) 5W Static heard dissipation, non-current-dependent Pvid W 102.2 Corrosion resistance 0W 102.3 I verification of thermal stability of enclosures Wetes the product standard's requirements. 102.3 I verification of thermal stability of enclosures Wetes the product standard's requirements. 102.3 I verification of resistance of insulting materials to normal heat Wetes the product standard's requirements. 102.3 I verification of fuscility in termal elect. effects Des not apply, since the entire switchgear needs to be evaluated. 102.5 Utring Des not apply, since the entire switchgear needs to be evaluated. 102.5 Utring Des not apply, since the entire switchgear needs to be evaluated. 102.5 Utring Des not apply, since the entire switchgear ne | Number of auxiliary contacts (change-over contacts) | 0 |
| Actuator Red Actuator color Red Actuator type Dor coupling rotary drive Design verification Dor coupling rotary drive Equipment heat dissipation, current-dependent Pvid 5 W Heat dissipation capacity Pdiss 0W Rated operational current dependent Pvid 5W Rated operational current for specified heat dissipation (In) 5W Static heat dissipation, non-current-dependent Pvs 0W 102.2 Corrosion resistance 0W 102.3 I Verification of thermal stability of enclosures 0W 102.3 Lesist. of insul. mat. to abnormal heat Meets the product standard's requirements. 102.3 Lesist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Des not apply, since the entire switchgear needs to be evaluated. 102.5 Lifting Des not apply, since the entire switchgear needs to be evaluated. 102.2 I inscriptions Meets the product standard's requirements. 103.0 Begree of protection of assemblies Des not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances M | Number of auxiliary contacts (normally closed contacts) | 0 |
| Actuator color Red Actuator type Door coupling rotary drive Design verification SV Equipment heat dissipation, current-dependent Pvid SV Heat dissipation capacity Pdiss SV Rated operational current for specified heat dissipation (In) SV Static heat dissipation, on-current-dependent Pvid 60A 102.2 Corrosion resistance W 102.3 I Verification of thermal stability of enclosures W 102.3 I Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3 I Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3 I Verification of nersistance of insulating materials to normal heat Meets the product standard's requirements. 102.3 I Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.4 Resistance to ultra-violet (UV) radiation UV resistance only in connection with protective shield. 102.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 103.2 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances | Number of auxiliary contacts (normally open contacts) | 0 |
| Actuator type Dor coupling rotary drive Design verification SW Equipment heat dissipation, current-dependent Pvid SW Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (In) SW Static heat dissipation, non-current-dependent Pvid 100 A 10.22 Corrosion resistance 0W 10.23 Lorification of thermal stability of enclosures West she product standard's requirements. 10.23 Lorification of thermal stability of enclosures Mest she product standard's requirements. 10.23 Lorification of thermal stability of enclosures West she product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation V resistance only in connection with protective shield. 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.26 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.26 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.26 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.26 Mechanical impact Does not apply, since the entire switchgear needs to be eval | Actuator | |
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| 10.2.4 Resistance to ultra-violet (UV) radiationImage: Constant of the entire structure shield.10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated. | 10.2.3.2 Verification of resistance of insulating materials to normal heat | Meets the product standard's requirements. |
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| 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. | 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. | 10.9.2 Power-frequency electric strength | |
| 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. | 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility. |
| | | 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 observed. | 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 observed. | 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is 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 sv [AKF060013]) | vitch technology / Off-load | switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14- |
|--|-----------------------------|---|
| Version as main switch | | Yes |
| Version as maintenance-/service switch | | Yes |
| Version as safety switch | | No |
| Version as emergency stop installation | | Yes |
| 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 | А | 160 |
| Rated permanent current at AC-23, 400 V | А | 160 |
| Rated permanent current at AC-21, 400 V | А | 160 |
| Rated operation power at AC-3, 400 V | kW | 45 |
| Rated short-time withstand current Icw | kA | 3 |
| Rated operation power at AC-23, 400 V | kW | 55 |
| Switching power at 400 V | kW | 55 |
| Conditioned rated short-circuit current Iq | kA | 30 |
| Number of poles | | 3 |
| 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 | | Built-in device fixed built-in technique |
| Suitable for floor mounting | | No |
| Suitable for front mounting 4-hole | | Yes |
| Suitable for front mounting centre | | No |
| Suitable for distribution board installation | | No |
| Suitable for intermediate mounting | | No |
| Colour control element | | Red |
| Type of control element | | Door coupling rotary drive |
| Interlockable | | Yes |
| Type of electrical connection of main circuit | | Frame clamp |
| Degree of protection (IP), front side | | IP65 |
| Degree of protection (NEMA) | | 12 |