## DATASHEET - P3-63/EA/SVB/HI11

Main switch, P3, 63 A, flush mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



| Part no.  | P3-63/EA/SVB/HI11 |
|-----------|-------------------|
|           | 019891            |
| EL Number | 1417016           |
| (Norway)  |                   |

## **General specifications**

| General specifications                 |   |
|--|---|
| Product name                           | Eaton Moeller® series P3 Main switch  |
| Part no.                               | P3-63/EA/SVB/HI11   |
| EAN                                    | 4015080198918   |
| Product Length/Depth                   | 128 millimetre  |
| Product height                         | 102 millimetre  |
| Product width                          | 87 millimetre   |
| Product weight                         | 0.466 kilogram  |
| Certifications                         | CSA Class No.: 3211-05<br>CSA<br>IEC/EN 60204<br>CSA File No.: 012528<br>UL 60947-4-1<br>IEC/EN 60947-3<br>UL Category Control No.: NLRV<br>CE<br>VDE 0660<br>CSA-C22.2 No. 94<br>CSA-C22.2 No. 60947-4-1-14<br>UL File No.: E36332<br>IEC/EN 60947<br>UL |
| Product Tradename                      | P3  |
| 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 main switch<br>Version as emergency stop installation<br>Version as maintenance-/service switch  |
| Fitted with:                           | Red rotary handle and yellow locking ring   |
| Functions                              | Emergency switching off function<br>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                   | 100,000 Operations  |
| Mounting method                        | Flush mounting  |
| Mounting position                      | As required   |
| Operating frequency                    | 1200 Operations/h   |
| Overvoltage category                   | III 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                           | Front mounting 4-hole<br>Branch circuits, suitable as motor disconnect, (UL/CSA)  |
| Climatic environmental conditions      |   |
| Ambient operating temperature - min    | -25 °C  |
|  |   |

| Ambient operating temperature - may                                    | 50 °C   |
|--|---|
| Ambient operating temperature - max                                    | -25 °C  |
| Ambient operating temperature (enclosed) - min                         |   |
| Ambient operating temperature (enclosed) - max Climatic proofing       | 40 °C<br>Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| Terminal capacities  |   |
| Terminal capacity  | 14 - 2 AWG, solid or flexible with ferrule<br>1 x (1.5 - 25) mm <sup>2</sup> , flexible with ferrules to DIN 46228<br>2 x (2.5 - 10) mm <sup>2</sup> , solid or stranded<br>2 x (1.5 - 6) mm <sup>2</sup> , flexible with ferrules to DIN 46228<br>1 x (2.5 - 35) mm <sup>2</sup> , solid or stranded |
| Screw size   | M5, Terminal screw  |
| Tightening torque  | 26.5 lb-in, Screw terminals<br>3 Nm, Screw terminals  |
| Electrical rating  |   |
| Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)          | 640 A   |
| Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)          | 600 A   |
| Rated breaking capacity at 500 V (cos phi to IEC 60947-3)              | 590 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            | 51 A  |
| Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V            | 55 A  |
| Rated operational current (Ie) at AC-3, 500 V                          | 44 A  |
| Rated operational current (Ie) at AC-3, 660 V, 690 V                   | 22.1 A  |
| Rated operational current (Ie) at AC-21, 440 V                         | 63 A  |
| Rated operational current (Ie) at AC-23A, 230 V                        | 63 A  |
| Rated operational current (Ie) at AC-23A, 400 V, 415 V                 | 63 A  |
| Rated operational current (Ie) at AC-23A, 500 V                        | 63 A  |
| Rated operational current (Ie) at AC-23A, 690 V                        | 63 A  |
| Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms | 63 A  |
| Rated operational current (le) at DC-23A, 24 V                         | 50 A  |
| Rated operational current (le) at DC-23A, 48 V                         | 50 A  |
| Rated operational current (le) at DC-23A, 40 V                         | 50 A  |
|  | 25 A  |
| Rated operational current (le) at DC-23A, 120 V                        | 30 kW   |
| Rated operational power at AC-3, 380/400 V, 50 Hz                      |   |
| Rated operational power at AC-3, 415 V, 50 Hz                          | 30 kW   |
| Rated operational power at AC-3, 500 V, 50 Hz                          | 30 kW   |
| Rated operational power at AC-3, 690 V, 50 Hz                          | 30 kW   |
| Rated operational power at AC-23A, 220/230 V, 50 Hz                    | 18.5 kW   |
| Rated operational power at AC-23A, 400 V, 50 Hz                        | 30 kW   |
| Rated operational power at AC-23A, 500 V, 50 Hz                        | 45 kW   |
| Rated operational power at AC-23A, 690 V, 50 Hz                        | 55 kW   |
| Rated operational voltage (Ue) at AC - max                             | 690 V   |
| Rated uninterrupted current (lu)                                       | 63 A  |
| Uninterrupted current  | Rated uninterrupted current lu is specified for max. cross-section.   |
| Short-circuit rating   |   |
| Rated conditional short-circuit current (Iq)                           | 4 kA (Load side)<br>100 kA (Supply side)  |
| Rated short-time withstand current (Icw)                               | 1.26 kA   |
| Short-circuit current rating (basic rating)                            | 10 kA, SCCR (UL/CSA)<br>150A, max. Fuse, SCCR (UL/CSA)  |
| Short-circuit protection rating  | 80 A gG/gL, Fuse, Contacts  |
| Switching capacity   |   |
| Load rating  | 1.3 x I# (with intermittent operation class 12, 60 % duty factor)<br>2 x I# (with intermittent operation class 12, 25 % duty factor)<br>1.6 x I# (with intermittent operation class 12, 40 % duty factor)   |
| Number of contacts in series at DC-23A, 24 V                           | 1   |
| Number of contacts in series at DC-23A, 48 V                           | 2   |
| Number of contacts in series at DC-23A, 60 V                           | 2   |
| Number of contacts in series at DC-23A, 120 V                          | 3   |

| Assigned motor power at 115/120 V, 60 Hz, 1-phase       F       3 HP         Assigned motor power at 200/208 V, 60 Hz, 1-phase       5 HP         Assigned motor power at 200/208 V, 60 Hz, 1-phase       10 HP         Assigned motor power at 200/208 V, 60 Hz, 1-phase       10 HP         Assigned motor power at 200/208 V, 60 Hz, 1-phase       10 HP         Assigned motor power at 200/208 V, 60 Hz, 1-phase       10 HP         Assigned motor power at 200/208 V, 60 Hz, 3-phase       40 HP         Assigned motor power at 60/480 V, 60 Hz, 3-phase       40 HP         Assigned motor power at 575/600 V, 60 Hz, 3-phase       40 HP         Control crouit reliability       0 HP         Number of auxiliary contacts (change-over contacts)       Mainer of auxiliary contacts (change-over contacts)       0         Number of auxiliary contacts (normally closed contacts)       In alure per 100,000 switching operations statistically determined, at 24 V DC, 10         Number of auxiliary contacts (normally closed contacts)       In alure per 100,000 switching operations statistically determined, at 24 V DC, 10         Number of auxiliary contacts (normally closed contacts)       In alure per 100,000 switching operations statistically determined, at 24 V DC, 10         Number of auxiliary contacts (normally closed contacts)       In alure per 100,000 switching operations statistically determined, at 24 V DC, 10         Actuator color       In alure per 100,000 sw  |  |  |
|--|--|--|
| Subbing capacity (subling contact, plus capaci | Switching capacity (main contacts, general use)                                  | 60 A, Rated uninterrupted current max. (UL/CSA)          |
| Rest while index (Section 2007)         Section 2007           Water strains         Section 2007           Water strains         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 3100000 (MH b1, splase)         Section 2007           Assign from prover 310000 (MH b1, splase)         Section 2007           Assign from prover 310000 (MH b1, splase)         Section 2007           Contral circle disabley         Section 2007           Index of anticity contrals (Section 2007)         Section 2007           Assign from prover 31000000000000000000000000000000000000   | Switching capacity (auxiliary contacts, general use)                             | 10A, IU, (UL/CSA)  |
| Water per anscription         BV           Meter ating         BV           Assigned noter power at 100000000000000000000000000000000000   | Switching capacity (auxiliary contacts, pilot duty)                              |  |
| Net or stringImage: String          | Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)                    | 800 A  |
| Assigned mater power at 15020 V, 50 bit, 1-phase         P         SPP           Assigned mater power at 20020 V, 50 bit, 1-phase         P         PAP           Assigned mater power at 20020 V, 50 bit, 1-phase         P         P           Assigned mater power at 20020 V, 50 bit, 1-phase         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P           Control cional materiality contracts (brandp-our contracts)         P         P           Number of anality contracts (brandp-our contracts)         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phase         P         P         P           Assigned mater power at 20020 V, 50 bit, 2-phas  | Voltage per contact pair in series   | 60 V   |
| Assigned motor power at 20020 V, 60 Hy, 1-phase         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Assigned motor power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Assigned motor power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Controls         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Controls         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Controls         Image and the power at 20020 V, 60 Hy, 2-phase         Image and the power at 20020 V, 60 Hy, 2-phase           Number of anality power attack (numming ower controls the power atta  | Motor rating   |  |
| Assigned mater power at 200200 4.00 Mr, 5 phase         15 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         10 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Assigned mater power at 200200 40.00 Mr, 5 phase         40 MP           Matter of auxiliary contacts (hommaly quan contacts)         1           Number of auxiliary contacts (hommaly quan contacts)         Meter Application contact and adjusterio. Control dependent PM           Design vertification         Meter Application contact and adjusterio. Control dependent PM         NW           Heat dissipation contact adjusterio. Control dependent PM         NW         NW           1023 Vertification of territerio dependent PM         NW         NW           1023 Vertification of territerio dependent PM         NW         NW           1023 Vertification of te   | Assigned motor power at 115/120 V, 60 Hz, 1-phase                                | 3 HP   |
| Assign drot prover at 282240 V. 60 Hz, 1 phase         10 HP           Assign drot prover at 282240 V. 60 Hz, 9 phase         15 HP           Assign drot prover at 2828260 V. 60 Hz, 9 phase         5 HP           Assign drot prover at 2828260 V. 60 Hz, 9 phase         5 HP           Contact         5 HP           Assign drot prover at 2828260 V. 60 Hz, 9 phase         5 HP           Contact reliability         1 hairs en 180,00 solitching operations statistically determined, at 24 V DC, 10           Number of axalisity contacts (harmaly operators tratistically determined, at 24 V DC, 10         1           Number of axalisity contacts (harmaly operators statistically determined, at 24 V DC, 10         1           Actuator         6 Hairs en 180,00 solitching operators statistically determined, at 24 V DC, 10           Actuator contacts (harmaly operators contracts (harmaly operators statistically determined, at 24 V DC, 10         1           Actuator type         Red         1           Actuator type         Red         1           Actuator type         NH         1         1           Rest displation, coursel displation Hi         NH         1         1           Best displation for coursel displation Hi         NH         1         1           Rest displation for coursel displation Hi         NH         1         1  | Assigned motor power at 200/208 V, 60 Hz, 1-phase                                | 7.5 HP   |
| Assigned motor power at SQR241 V.00 Nr, 3 phase         600         600 FP           Assigned motor power at SQR240 V.00 Nr, 3 phase         600 FP           Assigned motor power at SQR240 V.00 Nr, 3 phase         600 FP           Assigned motor power at SQR240 V.00 Nr, 3 phase         600 FP           Control cricult reliability         1         1           Number of axallary contracts (change-over contracts)         0         0           Number of axallary contracts (change-over contracts)         1         1           Astator Color         1         1           Read dissipation, courrent-dependent Pvid  | Assigned motor power at 200/208 V, 60 Hz, 3-phase                                | 15 HP  |
| Assigned motor power at 238240 V. 00 Hz, 3-plase         15 HP           Assigned motor power at 53806 V. 60 Hz, 3-plase         40 HP           Assigned motor power at 53806 V. 60 Hz, 3-plase         50 HP           Control:         1           Control:         1           Control:         0           Number of axaliary contacts (brange-over contacts)         0           Number of axaliary contacts (brange-over contacts)         1           Number of axaliary contacts (brange-over contacts)         Red           Actuator         2           Actuator         Red           Design vortification         0           Feedingston concerts dependent Piol         0V           Read dependent Piol         0V   | Assigned motor power at 230/240 V, 60 Hz, 1-phase                                | 10 HP  |
| Assign mater jower at 484/89 X, 08 H2, 3 plass         6 PP           Assign mater jower at 484/89 X, 08 H2, 3 plass         6 PP           Control crist inhibitity         1 fulture per 184,000 x 00 h1, 5 plass           Control crist inhibitity         1 fulture per 184,000 x 00 h1, 5 plass           Number of auxiliar contacts (hama-sover contacts)         0           Number of auxiliar contacts (hama-sover contacts)         8           Actuator         8           Actuator for auxiliar contacts (hama-sover contacts)         8           Actuator for auxiliar contacts (hama-sover contacts)         8           Actuator top         8           Actuator top         8           Actuator color         8           Actuator top         8           Actuator top         8           Besign writincial displation, current-dependent Puid         9           Back displation paraliz, current-dependent Puid         9           1023.1 Writincial mot at somemi haugins in thori dissplation (hor)         8           1023.2 Writincial mot at somemi haugins in thori dissplation of themai statis in themai solution of themai statis in thori dissplation (hor)         10           1023.2 Writincial mot at somemi haugins in thori dissplation (hor)         10         10           1023.2 Writincial mot at somemi haugins in thori dissplation (hor)  | Assigned motor power at 230/240 V. 60 Hz. 3-phase                                | 15 HP  |
| Assigned matter power at \$75000 V,00 V,00 V,00 V,00 V,00 V,00 V,00  |  | 40 HP  |
| Contacts         Control circuit reliability         Inluity get reliability           Number of auxiliary centacts (change-over centacts)         1           Number of auxiliary centacts (normally closed contacts)         1           Number of auxiliary centacts (normally closed contacts)         1           Number of auxiliary centacts (normally closed contacts)         1           Actuator         1           Actuator color         Red           Actuator type         0           Design verification         0           Busing problem corrent-dependent Pvd         0           Heat dissipation, corrent-dependent Pvd         0           Heat dissipation, corrent-dependent Pvd         0           Busing problem corrent-dependent Pvd         0  |  |  |
| Control circuit reliability         I failure per 10,000 witching operations statistically determined, at 24 V DC.10           Number of auxiliary contacts (hormally cleased contacts)         0           Number of auxiliary contacts (hormally cleased contacts)         I failure per 100,000 witching operations statistically determined, at 24 V DC.10           Actuator color         Actuator color         Red           Actuator color         Red         Red           Read operational current opendemt Pvid         Red         Red           Read operational current tor specified heat dissipation (In) <t< td=""><td></td><td></td></t<>   |  |  |
| Number of auxiliary contacts (homely) closed contacts)         0           Number of auxiliary contacts (normally contacts)         0           Actuator         0           Actuator color         0           Actuator ryee         0           Beginption from the dissipation, current-dependent Pvid         0           Head dissipation of polo, current-dependent Pvid         0           Read dispitation, nor-arrent-dependent Pvid         0           Read dispitation, nor-arrent-dependent Pvid         0           102.2 Consiston resistance         0           102.3 Uvification of thermal stability of enclosures         0           102.3 Uvification of thermal stability of enclosures         0           102.3 Uvification of thermal stability of enclosures         0           102.4 Resistance of insulating material sto. normal headting to thirth stability of enclosures         0           102.3 Uvification of thermal stability of enclosures         0           102.4 Resistance of insulating material sto. normal headting to thirth stability of enclosures         0           102.5 Resident of insulating material sto. normanu dependent the enclose switchgare meeds to be eva  |  |  |
| Number of auxiliary contacts (normally open contacts)         Intervent of auxiliary contacts (normally open contacts)           Actuator         Red           Actuator color         Red           Rest disspation, corrent-dependent Pvid         OW           Read operational current for specified heat dissipation (In)         Static hear disspation, on corrent-dependent Pvid           102.2.2.2 Orrison or restance         OW           102.2.3.1 Verification of restating in attribution of ancionares         Meets the product standard's requirements.           102.2.2.2 Orrison or restance of insulating materials to normal heat         Meets the product standard's requirements.           102.2.3.1 Verification of restating of encloares         Meets the product standard's requirements.           102.2.4 Drestate of ulta-vide (UV) radiation         Meets the product standard's requirements.           102.4 Drestate of ulta-vide (UV) radiation         Meets the product standard's requirements.           103.5 Brice of protection of assembles   |  | mA)  |
| Number of auxiliary contacts formally open contacts)         Image: Contacts formally open contacts)           Actuator         Red           Actuator color         Red           Actuator type         Red           Design verification         West dissipation, current-dependent Pvid           Equipment heat dissipation, current-dependent Pvid         West dissipation capacity Pdiss           Read operational current for specifies heat dissipation (In)         BSA           Static heat dissipation, con-current-dependent Pvid         BSA           102.2.2 Curration resistance         West disperition and tabulity of enclosures           102.3.2 Verification of thermal stability of enclosures         Meets the product standard's requirements.           102.3.2 Verification of thermal stability of enclosures         Meets the product standard's requirements.           102.3.2 Verification of thermal stability of enclosures         Meets the product standard's requirements.           102.3.2 Verification of thermal stability of enclosures         Meets the product standard's requirements.           102.4 Resistance to ultra-viole (UV) radation         Meets the product standard's requirements.           102.5 Mechanical impact         Des end apply, since the entire switchges reads to be evaluated.           10.2 A Resistance to ultra-viole (UV) radation         Des end apply, since the entire switchges reads to be evaluated.           10.2 For  |  |  |
| Actuator color         Red           Actuator type         Bed           Design verification         Ber coupling rotary drive           Design verification         0 W           Equipment theat dissipation, current-dependent Pvid         0 W           Heat dissipation, carrent-dependent Pvid         0 W           Rate operational current to specified heat dissipation (n/n)         S3 A           Static heat dissipation, non-current-dependent Pvid         0 W           102.22 Corrosion resistance         0 W           102.21 Verification of thermal stability of enclosures         Meets the product standard's requirements.           102.23 Resist into an dissipation non-current dependent Pvid         Weets the product standard's requirements.           102.24 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           102.24 Resistance to ultra-violet (UV) rediation         Meets the product standard's requirements.           102.25 Inscriptions         Meets the product standard's requirements.           102.26 Inscriptions         Meets the product standard's requirements.           102.27 Inscriptions         Meets the product standard's requirements.           103.27 Inscriptions         Meets the product standard's requirements.           103.27 Nascriptions         Meets the product standard's requirements.   |  | 1  |
| Actuator color         Red           Actuator type         Door coupling rotary drive           Design verification         Over coupling rotary drive           Equipment heat dissipation, current-dependent Pvid         V           Heat dissipation capacity Pdiss         OW           Reade operational current for specified heat dissipation (In)         Static heart dissipation, on-current-dependent Pvid           102.2.1 Verification of thermal stability of enclosures         OW           102.2.2 Verification of resistance of insulating materials to normal heat         OW           102.2.3 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           102.2.3 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           102.2.3 Verification of resistance on vin concortion with product standard's requirements.         Descent capadry since the enrific switchpar needs to be evaluated.           102.4.2 Meets displation of thermal stability of enclosures         Meets the product standard's requirements.           102.5.1 Windication of thermal settifies book         Descent capadry, since the enrific switchpar needs to be evaluated.           102.5.1 Windication         Descent capply, since the enrific switchpar needs to be evaluated.           102.5.1 Windication gainst electric shock         Descent capply, since the enrific switchpar needs to be evaluated.  | Number of auxiliary contacts (normally open contacts)                            | 1  |
| Actuator type         Corr coupling retary drive           Design verification         Poor coupling retary drive           Equipment heat dissipation, current-dependent Pvid         W           Heat dissipation capacity Pdiss         W           Retard operational current operation head/fies patients         W           Retard operational current operation head/fies patients         GSA           Static heat dissipation, non-current-dependent Pvid         Meets the product standard's requirements.           102.22 Corrosion resistance         Meets the product standard's requirements.           102.23 Verification of freistance of insulating materials to normal head!         Meets the product standard's requirements.           102.24 Verification of resistance of insulating materials to normal head!         Meets the product standard's requirements.           102.24 Verification of resistance of insulating materials to normal head!         Meets the product standard's requirements.           102.25 Lifting         Does not apply, since the entire switchpar needs to be avaluated.           102.24 Neesistance to ultra-violet (UV) radiation         Does not apply, since the entire switchpar needs to be evaluated.           102.25 Lifting         Does not apply, since the entire switchpar needs to be evaluated.           102.24 Neesisting divices and components         Does not apply, since the entire switchpar needs to be evaluated.           103.24 Neesting divices and compo   | Actuator   |  |
| Design verification         Image: Control of Section Control Control of Section Control Contrel Control Control Control Contrel Control Contro C                 | Actuator color   | Red  |
| Equipment heat dissipation, current-dependent Pvid         0           Heat dissipation capacity Pdiss         0           Heat dissipation capacity Pdiss         0           Rated operational current-dependent Pvid         63 A           Static heat dissipation, non-current-dependent Pvs         0           102.2 Corrosino resistance         0           102.2 Corrosino resistance         0           102.2.3 Verification of thermal stability of enclosures         0           102.3.1 Verification of resistance of insulating materials to normal heat         0           102.3.2 Verification of resistance of insulating materials to normal heat         0           102.3.2 Verification of resistance of insulating materials to normal heat         0           102.2.3 Resist. of insul. mat. to abnormal heat/file by internal elect. effects         Meets the product standard's requirements.           102.2 function in ginst         0         Does not apply, since the entire switchgear needs to be evaluated.           102.5 Moteninal impact         0         Does not apply, since the entire switchgear needs to be evaluated.           102.6 Moteninal impact         0         Does not apply, since the entire switchgear needs to be evaluated.           102.5 Moteninal impact         0         Does not apply, since the entire switchgear needs to be evaluated.           102.6 Moteninal impact         0   | Actuator type  | Door coupling rotary drive                               |
| Heat dissipation capacity Pdiss       Image: Current - dependent Pvid       4.5 W         Reted operational current for specified heat dissipation (In)       5.3 A         Static heat dissipation, non-current-dependent Pvs       Image: Current of specified heat dissipation (In)         10.2.2 Corrosion resistance       Image: Current of specified heat dissipation (In)         10.2.2 Verification of thermal stability of enclosures       Image: Current of specified heat dissipation (In)         10.2.3 Verification of resistance of insulating materials to normal heat       Image: Current of specified heat dissipation (In)         10.2.3 Verification of resistance of insulating materials to normal heat       Image: Current of specified heat dissipation (In)         10.2.3 Verification of resistance of insulating materials to normal heat       Image: Current of specified heat dissipation (In)         10.2.4 Resistance to ultra-violet (UV) radiation       Image: Current of specified heat dissipation (In)         10.2.5 Michanical impact       Image: Current of specified heat dissipation (In)         10.2.6 Michanical impact       Image: Current of specified heat dissipation (In)         10.2.6 Michanical impact       Image: Current of specified heat dissipation (In)         10.2.6 Michanical impact       Image: Current of specified heat dissipation (In)         10.2.6 Michanical impact       Image: Current of specified heat dissipation (In)         10.2.6 Michanical impact       Image: Cu  | Design verification  |  |
| Heat dissipation propole, current-dependent Pvid         4 5 W           Rated operational current for specified heat dissipation (In)         63 A           Static heat dissipation, non-current-dependent Pvs         0 W           10.2.2 Corrosion resistance         0 W           10.2.2 Verification of themal stability of enclosures         Meets the product standard's requirements.           10.2.3.1 Verification of neumal head for shoulding materials to normal head         Meets the product standard's requirements.           10.2.3.2 Verification of neumal head/fore by internal elect. effects         Weets the product standard's requirements.           10.2.3.1 Verification of neumal head/fore by internal elect. effects         Weets the product standard's requirements.           10.2.3 Resist. of insul. mat. to abnormal head/fore by internal elect. effects         Does not apply, since the entire switchgear needs to be avaluated.           10.2.4 Resistance to ultra-violet (UV) radiation         Meets the product standard's requirements.           10.2.5 Urscriptions         Meets the product standard's requirements.           10.2.6 Mechanical impact         Does not apply, since the entire switchgear needs to be avaluated.           10.2.7 Inscriptions         Meets the product standard's requirements.           10.8 Connection of assemblies         Meets the product standard's requirements.           10.8 Connection for external conductors         Is the panel builder's responsibility.   | Equipment heat dissipation, current-dependent Pvid                               | 0 W  |
| Rated operational current for specified heat dissipation (In)       63 A         Static heat dissipation, non-current-dependent Pvs       0 W         10.2.2 Corrosion resistance       0 W         10.2.3.1 Verification of thermal stability of enclosures       Meets the product standard's requirements.         10.2.3.2 Verification of sistance 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.         10.2.4 Resistance to ultra-violet (UV) radiation       Does not apply, since the entire switchgear needs to be evaluated.         10.2.5 Itring       Does not apply, since the entire switchgear needs to be evaluated.         10.2.1 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.         10.4 Clearances and creepage distances       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       Is the panel builder's responsibility.         10.8 Connections for external conductors       Is the panel builder's r   | Heat dissipation capacity Pdiss  | 0 W  |
| Static heat dissipation, non-current-dependent PvsImage: ConstanceImage: Constance   | Heat dissipation per pole, current-dependent Pvid                                | 4.5 W  |
| 10.2.2 Corrosion resistanceImage: Corrosi   | Rated operational current for specified heat dissipation (In)                    | 63 A   |
| 102.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.102.3.2 Verification of resistance of insulting materials to normal heatMeets the product standard's requirements.102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.102.4 Resistance to ultra-viole (UV) radiationUV resistance only in connection with protective shield.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.103.0 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.6 Icenances and creepage distancesMeets the product standard's requirements.105.7 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.105.8 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.103.9 Logree refrequency electric shockDoes not apply, since the entire switchgear needs to be evaluated.104.7 Internal electrical circuits and connectionsEncipeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee   | Static heat dissipation, non-current-dependent Pvs                               | 0 W  |
| 10.2.3 Verification of resistance of insulating materials to normal heat       Meets the product standard's requirements.         10.2.3 Resist. of insul. mat. to abnormal heatfire by internal elect. effects       Meets the product standard's requirements.         10.2.4 Resistance to ultra-violet (UV) radiation       Des not apply, since the entire switchgear needs to be evaluated.         10.2.5 Lifting       Des not apply, since the entire switchgear needs to be evaluated.         10.2.1 Inscriptions       Des not apply, since the entire switchgear needs to be evaluated.         10.3 Degree of protection of assemblies       Des 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 of switching devices and components       Des not apply, since the entire switchgear needs to be evaluated.         10.7 Internal electrici 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       Impare aleutider's responsibility.         10.11 Short-circuit rating       Is the panel builder's responsibility. The specifications for the switchgear must be observed.   | 10.2.2 Corrosion resistance  | Meets the product standard's requirements.               |
| 10.2.3.3 Resist. of insul. mat. to abnormal head/fire by internal elect. effects       Meets the product standard's requirements.         10.2.4 Resistance to ultra-violet (UV) radiation       UV resistance only in connection with protective shield.         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.         10.6 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.         10.9.1 Temperature rise       Is the panel builder's responsibility. The specifications for the switchgear must be observeed.         10.11 Short-ci  | 10.2.3.1 Verification of thermal stability of enclosures                         | Meets the product standard's requirements.               |
| 102.4 Resistance to ultra-violet (UV) radiationVV resistance only in connection with protective shield.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsDoes not apply, since the entire switchgear needs to be evaluated.103.1 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.Clearances and creepage distancesDoes not apply, since the entire switchgear needs to be evaluated.105.Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106.Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.107.Internal electric strongthIs the panel builder's responsibility.108.2 Power-frequency electric strengthIs the panel builder's responsibility.109.3 Inpulse withstand voltageIs the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.10.14 Mechanical functionIs the panel builder's responsibility.10.15 Mechani  | 10.2.3.2 Verification of resistance of insulating materials to normal heat       | Meets the product standard's requirements.               |
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| 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 is responsibility.         10.10 Temperature rise       Is the panel builder is responsibility.         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 be observed.         10.13 Mechanical function       The device meets the requirements, provide the information in the instruction  |  |  |
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| 10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibile for the temperature rise calculation. Eaton will<br>provide heat dissipation data for the devices.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be<br>observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be<br>observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction   |  |  |
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| 10.13 Mechanical function       The device meets the requirements, provided the information in the instruction   |  | observed.  |
|  |  | observed.  |
|  | 10.13 Mechanical function  |  |

## **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  |  | 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  | 63                                       |
| Rated permanent current at AC-23, 400 V                 | А  | 63                                       |
| Rated permanent current at AC-21, 400 V                 | А  | 63                                       |
| Rated operation power at AC-3, 400 V                    | kW | 30                                       |
| Rated short-time withstand current lcw                  | kA | 1.26                                     |
| Rated operation power at AC-23, 400 V                   | kW | 30                                       |
| Switching power at 400 V                                | kW | 30                                       |
| Conditioned rated short-circuit current Iq              | kA | 100                                      |
| 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                                     |    | 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           |    | Screw connection                         |
| Degree of protection (IP), front side                   |    | IP65                                     |
| Degree of protection (NEMA)                             |    | 12                                       |