## 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 <sup>2</sup> , solid or stranded 3/0 AWG, solid or flexible conductor with ferrule 1 x 70 mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x 35 mm <sup>2</sup> , solid or stranded 1 x 13 x 3 mm Number of segments x width x thickness, copper strip 2 x 25 mm <sup>2</sup> , 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		
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		
Svitching capacity (availary contacts, pilot duty) A000 IUUCSA)   Raid making capacity (availary contacts, pilot duty) IOSA   Assigned making capacity (availary contacts, pilot duty) IOSA   Contacts IOSA   Design verification IOSA   IOSA <td></td> <td></td>		
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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10.2.7 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.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.	10.4 Clearances and creepage distances	
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