## DATASHEET - P5-250/E

## On-Off switch, P5, 250 A, flush mounting, 3 pole, with black thumb grip and front plate



Part no. P5-250/E 280935

General specifications	
Product name	Eaton Moeller® series P5 0n-Off switch
Part no.	P5-250/E
EAN	4015082809355
Product Length/Depth	150 millimetre
Product Length	150 millimetre
Product width	130 millimetre
Product weight	1.865 kilogram
Compliances Certifications	CE Marked UL 508 UL 508 IEC 60947 EN 60947-3 CSA Std. C22.2 No. 14-05 VDE CE CSA File No.: 223805 UL File No.: 23805 UL File No.: E36332 IEC/EN 60947 UL Category Control No.: NLRV IEC/EN 60947-3 UL CSA VDE 0660 CSA-C22.2 No. 94 CSA Class No.: 3211-05 IEC/EN 60204 CSA-C22.2 No. 14-05
Product Tradename	P5
Product Type	On-Off switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Fitted with:	Black thumb grip and front plate
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	80,000 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

	Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	300 MCM (AWG), flexible 350 MCM (AWG), solid or flexible conductor with ferrule 2 x 70 mm <sup>2</sup> , solid or stranded 2 x 20 x 3 mm Number of segments x width x thickness, copper strip 1 x 185 mm <sup>2</sup> , solid or stranded 1 x 120 mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x 50 mm <sup>2</sup> , flexible with ferrules to DIN 46228 1 x 20 x 5 mm Number of segments x width x thickness, copper strip
Screw size Tightening torque	6 mm AF, Hexagon socket-head spanner, Terminal screw 16 Nm, Screw terminals 140 lb-in, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	1600 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	1380 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	1250 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	400 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	126 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	105 A
Rated operational current (Ie) at AC-3, 500 V	118 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	45 A
Rated operational current (Ie) at AC-21, 440 V	250 A
Rated operational current (Ie) at AC-23A, 230 V	126 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	170 A
Rated operational current (Ie) at AC-23A, 500 V	156 A
Rated operational current (Ie) at AC-23A, 690 V	50 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	250 A
Rated operational current (Ie) at DC-23A, 24 V	250 A
Rated operational current (Ie) at DC-23A, 48 V	250 A
Rated operational current (Ie) at DC-23A, 60 V	250 A
Rated operational current (Ie) at DC-23A, 120 V	80 A
Rated operational power at AC-3, 380/400 V, 50 Hz	55 kW
Rated operational power at AC-3, 415 V, 50 Hz	55 kW
Rated operational power at AC-3, 500 V, 50 Hz	75 kW
Rated operational power at AC-3, 690 V, 50 Hz	40 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	37 kW
Rated operational power at AC-23A, 400 V, 50 Hz	90 kW
Rated operational power at AC-23A, 500 V, 50 Hz	110 kW
Rated operational power at AC-23A, 690 V, 50 Hz	45 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	250 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)	4,6 kA, Contacts, 1 second 4.6 kA
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 600A Class RK1, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault)	400 A, Class J, max. Fuse, SCCR (UL/CSA) 65 kA, SCCR (UL/CSA)
Short-circuit protection rating	250 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	2 x l# (with intermittent operation class 12, 25 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % 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-23A, 48 V	3
Number of contacts in series at DC-23A, 60 V	3
Number of contacts in series at DC-23A, 120 V	3

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Ascing sequely lansibly context, plantaly (sea that IGCN 10347-3)ASSI (IGCN 1034Natage or context in insets429Assigned more power at 13/300 (No Ha, a base429Assigned more power at 13/300 (No Ha, a base3049Assigned more power at 2020 No Ha, b abase3049Assigned more power at 2020 No Ha, b abase3049Number of aubary contacts (normally contacts)1418Number of aubary contacts (normally contacts)1418<	Switching capacity (main contacts, general use)	250 A, Rated uninterrupted current max. (UL/CSA)
Red making calculation up to SD V (cos phile RECBI (SDF) 3)         100 A           Votor rating         4V           Assigned match power at 115/120 (UBE), 1-base         51.00           Assigned match power at 2200 (UBE), 1-base         51.00           Assigned match power at 2200 (UBE), 1-base         51.00           Assigned match power at 2200 (UBE), 2-base         51.00           Assigned match power at 2200 (UBE), 2-base         51.00           Assigned match power at 2500 (UBE), 2-base         51.00	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Voluge ser context part in series         P           Motor crising         1919           Assigned motor power at 119108 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 119108 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 129208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 129208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 129208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 129208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 29208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 29208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 29208 (K 0 Mr, 5 phase         30 PP           Assigned motor power at 29208 (K 0 Mr, 5 phase         30 PP           Control crisins(Nr)         11 Painer part (M MR) Painer         10 P           Mubber of auxiling centracts fromally devel contactal         0         0           Mubber of auxiling centracts fromally devel contactal         10 P         10 P           Astantor type         20 P         20 P         10 P           Astantor type         20 P         20 P         20 P           Route developed contact station of motor developed PAI         20 P         20 P           Route developed contact station of motor de	Switching capacity (auxiliary contacts, pilot duty)	A600 (UL/CSA)
Mater cating         Image and provement 115120 (UR Bits, Types)         Image and provement 215120 (UR Bits, Types)           Assigned meter power at 215120 (UR Bits, Types)         SB IP           Assigned meter power at 215120 (UR Bits, Types)         SB IP           Assigned meter power at 215120 (UR Bits, Types)         SB IP           Assigned meter power at 215120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Control cricit mission         Types at 415120 (UR Bits, Types)           Number at assigning certains (Issen)         SB IP           Assigned meter power at 415120 (UR Bits, Types)         SB IP           Assigned meter powerat 415120 (UR Bits, Ty	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	1700 A
Assigned mater power at 151/131 (40 Mpc, 3-phase         15 MP           Assigned mater power at 120204 (40 Mpc, 3-phase         30 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         30 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         30 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         30 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         30 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         75 MP           Assigned mater power at 20204 (40 Mpc, 3-phase         75 MP           Assigned mater power at 20004 (40 Mpc, 3-phase         75 MP           Control circuit fulliability         1 failure ger 100,000 excloting portations statistic-ally determined, at 24 V DC, 10 Mpc, 10	Voltage per contact pair in series	42 V
Assigned motor power at 13x13 V K0 Hz, 3 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 1 shase         30 HP           Assigned motor power at 2320 V K0 Hz, 3 shase         75 HP           Contracts         0         1 hinter per 100,00 ovit-tiling operations statistically determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor at axializacity determined, at 24 V DZ, 10 m, motor a	Motor rating	
Assigned motor power at 220264 V, 60 Hz, 1 phase         20 HP           Assigned motor power at 220264 V, 60 Hz, 3 phase         20 HP           Assigned motor power at 420464 V, 60 Hz, 3 phase         20 HP           Assigned motor power at 404468 V, 00 Hz, 3 phase         20 HP           Assigned motor power at 404468 V, 00 Hz, 3 phase         20 HP           Contracts         20 HP           Contracts         20 HP           Contracts         20 HP           Number of auxiliary contacts (change-over contacts)         1 laker per 100,000 whiching operations statistically domenied, at 24 V DC, 0 mA           Number of auxiliary contacts (change-over contacts)         0         0           Actuator for         20 Biack         20 HV           Actuator for         20 HV         20 HZ           Explore thest dissipation, contacts (change-over contacts)         20 HV         20 HZ           Actuator for         20 HV         20 HZ         20 HV           Actuator for         20 HV         20 HZ         20 HZ           Heat dissipation contacts (contacts)         20 HV         20 HZ         20 HZ           Heat dissipation contacts (formally Cpanel Are HZ         20 HV         20 HZ         20 HZ           Explore thest dissipation, contacurrent-dipenditer Pvid         20 HZ         2	Assigned motor power at 115/120 V, 60 Hz, 1-phase	15 HP
Assigned motic power at 220240 % 08 kg, Sphase         00 HP           Assigned motic power at 220240 % 08 kg, Sphase         00 HP           Assigned motic power at 220240 % 08 kg, Sphase         00 HP           Assigned motic power at 220240 % 08 kg, Sphase         00 HP           Assigned motic power at 220240 % 08 kg, Sphase         75 HP           Control circuit reliability         10 Have ser 00,000 switching operations statistically determined, at 241 VDC, 10 mAP           Number of auxiliary contexts formally spen contacts!         0           Number of auxiliary contexts formally spen contacts!         0           Actuator color         Block           Actuator color         Block           Actuator color         W           Returned to particle station and spen contacts!         W           Faquinents the ad dissipation, corrors dependent Pvd         W           Returned to particle station and spen contacts!         W           Returned to particle station and spen contacts!         W           Returned to addispation, corrors dependent Pvd         W           Returned to addispation, corrors dependent Pvd         W           Returned to specified beard dissipation (In)         200 A           Returned to particle statisfied in advormal heat file specified beard dissipation.         200 A           Returned to advormal depen	Assigned motor power at 115/120 V, 60 Hz, 3-phase	30 HP
Assigned notic power at 277 V.8 H2, 1-phase         20 HP           Assigned notic power at 277 V.8 H2, 1-phase         20 HP           Assigned notic power at 375000 V.50 H2, 3-phase         75 HP           Control circuit elibility         75 HP           Control circuit elibility         1 failure per 100,000 switching operations statistically determined, at 24 V 0C, 18           Number of auxiliary contracts (homage-over contracts)         0           Number of auxiliary contracts (homage-over contracts)         0           Actuator color         8           Actuator color         8           Actuator color         8           Actuator color         8           Heat disspace, current-dependent Pvol         90           Heat disspace, current-dependent Pvol         80V           Heat disspace, neuront-dependent Pvol         80V           Back dependent Pvol         80V           Heat disspace, neuront-dependent Pvol         80V           102.22 Corresion resistance         00V           102.22 Verification         80V           102.23 Verification         80V           102.23 Verification of transmit table of tenclosures         80V           102.24 Verification of termit station of termit station or transmit Past         80V           102.25 Verification of termit	Assigned motor power at 230/240 V, 60 Hz, 1-phase	30 HP
Assigned motor power at 450/800 V, 60 Hz, 3-blase         75 HP           Contact:         75 HP           Contact:         75 HP           Contact:         75 HP           Contact:         0           Number of audilary contacts (change-over contacts)         0           Number of audilary contacts (change-over contacts)         0           Actuator         0           Actuator color         0           Actuator color         0           Actuator color         0           Actuator color         0           Read separation (contracts)         0           Number of audilary contacts (change-over contacts)         0           Read separation (contracts)         0           Actuator         0           Read separation (contracts)         0           Read separation (contracts)         0           Number of audilary contacts (change-over contacts)         0           Number of audilary contacts (change-over contacts)         0           Paratic (contact)         0           Read separation (contract)         0           Nead separation (contact)         0           Nead separation (contract)         0           Nead separation (contract)         0 <td>Assigned motor power at 230/240 V, 60 Hz, 3-phase</td> <td>60 HP</td>	Assigned motor power at 230/240 V, 60 Hz, 3-phase	60 HP
Assigned motor prover at \$75,800 V, 80 Hz, 3y hase         75 HP           Contracts         1 failure por 180,000 witching operations statistically determined, st24 V DC, 10 mA)           Number of auxiliary contacts (change-over contacts)         0           Number of auxiliary contacts (change-over contacts)         0           Number of auxiliary contacts (change-over contacts)         0           Actuator (all contacts)         0           Read (all contacts)         0           Heat dissipation, concurrent dipendent Pvid         0           Read (all contact)         0           Read (all contact contact)         0           Read (all contact)         0           Read (all contact)         0           Read (all contact)         0           Read (all contact)         0	Assigned motor power at 277 V, 60 Hz, 1-phase	30 HP
Control circuit reliability         Control circuit reliability         Isluer per 10,000 switching operations stratistically determined, at 24 V DC, 10           Number of auxiliary contacts (change over contacts)         0         0           Number of auxiliary contacts (change over contacts)         0         0           Actuator color         0         0           Actuator color         0         0           Actuator color         0         0           Actuator rype         0         0           Design verification         0         0           Head issignation circuit reliability         0         0           Head issignation of pole. current dependent Pvid         0         0           Head issignation of pole. current dependent Pvid         0         0           102.22 Orrotion resistance         0         0           102.22 Verification of thumal stability of anolosures         0         0           102.23 Verification of sistance of insulting materials to romal heat         0         Meets the product standard's requirements.           102.23 Verification of thumal stability of anolosures         0         Meets the product standard's requirements.           102.23 Verification of thumal stability of anolosures         0         Meets the product standard's requirements.           102.24	Assigned motor power at 460/480 V, 60 Hz, 3-phase	75 HP
Centrol circuit reliability       1 failure per 100.00 switching operations statistically determined, at 24 V DC.10         Number of auxiliary contacts (chamaby closed contacts)       0         Number of auxiliary contacts (chamaby closed contacts)       0         Actuator       0         Actuator of auxiliary contacts (chamaby closed contacts)       0         Actuator of auxiliary contacts (chamaby contacts)       0         Actuator of auxiliary contacts (chamaby contacts)       Block         Actuator of or       Block         Actuator of our       Block         Actuator of our       Block         Actuator of our       Block         Actuator of our       Block         Ratio depration apacity Pdias       0         Heat dissipation concurrent-dependent Pvid       Block         Ratio depration apacity Pdias       0         Ratio depration of secontappy, incontent winthy developments       0 </td <td>Assigned motor power at 575/600 V, 60 Hz, 3-phase</td> <td>75 HP</td>	Assigned motor power at 575/600 V, 60 Hz, 3-phase	75 HP
Mumber of auxiliary contacts (hampaly open contacts)         0           Number of auxiliary contacts (hampaly open contacts)         0           Actuator         0           Actuator color         0           Actuator page         0           Actuator color         Short Humbergin           Actuator page         Short Humbergin           Pagign verification         8           Periginame theat dissipation, capacity Pdiss         0           Heat dissipation, capacity Pdiss         0           Returb or poile, current-dependent Pvid         8           Back         8           Returb or poile, current-dependent Pvid         9           Back or page contract dependent Pvid         9           Back or product standard's requirements.         0           Back oregrotend and stanting dependent Pvid         0 </td <td>Contacts</td> <td></td>	Contacts	
Number of auxiliary contacts formally closed contacts)         0           Number of auxiliary contacts formally closed contacts)         0           Actuator         0           Actuator clor         Black           Actuator ype         Black           Design verification         Black           Eduport of auxiliary contacts formally closed contacts)         Black           Perification         Black           Eduport of auxiliary contacts formally closed contacts         Black           Perification         Black           Eduport of auxiliary contacts formally closed contacts         Black           Heat dissipation, current-dependent Pvid         Black           Natet doporational current for specified heat dissipation (In)         200 A           Static heat dissipation, on current-dependent Pvid         WW           Rated operational function of themal stability of eaclosures         Meets the product standord's requirements.           102.2.2 Verification of themal stability of eaclosures         Meets the product standord's requirements.           102.3.1 Verification of themal stability of eaclosures         Meets the product standord's requirements.           102.3.2 Verification of essublise         Our Vertication of sesublise.           102.4 Statistance of insulating materials to normal heat (fields to normal heat) (fields to normal heat) (fields to normal	Control circuit reliability	
Number of auxiliary contacts formally open contacts!         Image: Contacts formally open contacts formally open contacts!         Image: Contacts formally open contacts.         Image: Contacts formally open contacts formally open contacts formally open contacts formally open contacts.         Image: Contacts formally open cont	Number of auxiliary contacts (change-over contacts)	0
Actuator     Bit of a classifier classifier of a classifier of a cla	Number of auxiliary contacts (normally closed contacts)	0
Actuator color       Block         Actuator type       Short thumb-grip         Design verification       8W         Equipment heat dissipation, current-dependent Pvid       8W         Heat dissipation apachy Pdias       8W         Rated operational current for specified heat dissipation (In)       250 A         Static heat dissipation, and one-current-dependent Pvid       8W         102.2 Corrosion resistance       0W         102.3 Lyrification of thormal stability of enciosures       0W         102.3.1 Verification of resistance on insulating materials to normal heat       Meets the product standard's requirements.         102.3.2 Sets.t of insult materials to normal heat       Meets the product standard's requirements.         102.3.2 Verification of resistance on innormal heat/fire by internal elect. effects       Meets the product standard's requirements.         102.3.1 Sets.t of insult materials to normal heat       Meets the product standard's requirements.         102.4 Beystance and in concelton with protective shield.       Dess not apply, since the entire switchgar needs to be evaluated.         102.5 Michnical inpact       Dess not apply, since the entire switchgar needs to be evaluated.         103.5 Protection against electric shock       Dess not apply, since the entire switchgar needs to be evaluated.         10.4 Instrume electric al croups and connoponents       Dess not apply, since the entire switchgar	Number of auxiliary contacts (normally open contacts)	0
Actuator type       Short thumb-gip         Design verification       8W         Equipment heat dissipation, caurent-dependent Pvid       8W         Heat dissipation capacity Pdiss       0W         Rated operational current for specified heat dissipation (In)       250 A         Static heat dissipation, non-current-dependent Pvs       0W         102.22 Corrosion resistance       0W         102.32 Verification of resistance of insulating materials to normal heat       0W         102.32 Verification of resistance of insulating materials to normal heat       0W         102.32 Verification of resistance of insulating materials to normal heat       0W         102.32 Netric final materials to normal heat       0W         102.32 Netric final materials to normal heat       0W         102.32 Netric final materials to normal heat       0W resistance only in connection with protective shield.         102.32 Netric final materials to normal heat       0W resistance only in connection with protective shield.         102.32 Netric final materials to normal heat       0W resistance only in connection with protective shield.         102.42 Netric final materials       0W resistance only in connection with protective shield.         102.52 Lifting       0Des not apply, since the entric switchpaer needs to be evaluated.         104 Clearances and creepage distances       0Des not apply, since the entric sw	Actuator	
Design verification         SW           Equipment heat dissipation, current-dependent Pvid         8W           Heat dissipation capacity Pdiss         0W           Heat dissipation capacity Pdiss         0W           Rated operational current for specified heat dissipation (IIn)         250 A           Static heat dissipation, norurent-dependent Pvid         W           10.2.2 Corrosion resistance         0W           10.2.3.1 Verification of themal stability of enclosures         Meets the product standard's requirements.           10.2.3.2 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           10.2.3.2 Verification of resistance of insulating materials to normal heat         Uversistance only in connection with protective shield.           10.2.4 Resistance to ultra-violet (UV) radiation         UV resistance only in connection with protective shield.           10.2.5 Uriting         Does not apply, since the entire switchgear needs to be evaluated.           10.2.5 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 Detarances and creepage distances         Does not apply, since the entife switchgear needs to be evaluated.	Actuator color	Black
Equipment heat dissipation, current-dependent Pvid         8 W           Heat dissipation capacity Pdiss         0 W           Heat dissipation capacity Pdiss         0 W           Rated operational current dependent Pvid         8 W           Rated operational current for specified heat dissipation (in)         250 A           Static heat dissipation, non-current-dependent Pvs         0 W           10.2.2 Corrosion resistance         Meets the product standard's requirements.           10.2.3.1 Verification of thermal stability of enclosures         Meets the product standard's requirements.           10.2.3.2 Sesist. of insul. mat: to abnormal heat/fire by internal elect. effects         Meets the product standard's requirements.           10.2.3.2 Resistance to ultra-violet (UV) radiation         00es ont apply, since the entire switchgear needs to be evaluated.           10.2.3 Litting         Does not apply, since the entire switchgear needs to be evaluated.           10.2.4 Corporation of switching devices and components         Does not apply, since the entire switchgear needs to be evaluated.           10.4 Corporation of switching devices and components         Is the panel builder's responsibility.           10.3.2 Protection against electric shock         Does not apply, since the entire switchgear needs to be evaluated.           10.4 Corporation of switching devices and components         Is the panel builder's responsibility.           10.3 Repare of protectio	Actuator type	Short thumb-grip
Equipment heat dissipation, current-dependent Pvid         8 W           Heat dissipation capacity Pdiss         0 W           Heat dissipation capacity Pdiss         0 W           Rated operational current dependent Pvid         8 W           Rated operational current for specified heat dissipation (in)         250 A           Static heat dissipation, non-current-dependent Pvs         0 W           10.2.2 Corrosion resistance         Meets the product standard's requirements.           10.2.3.1 Verification of thermal stability of enclosures         Meets the product standard's requirements.           10.2.3.2 Sesist. of insul. mat: to abnormal heat/fire by internal elect. effects         Meets the product standard's requirements.           10.2.3.2 Resistance to ultra-violet (UV) radiation         00es ont apply, since the entire switchgear needs to be evaluated.           10.2.3 Litting         Does not apply, since the entire switchgear needs to be evaluated.           10.2.4 Corporation of switching devices and components         Does not apply, since the entire switchgear needs to be evaluated.           10.4 Corporation of switching devices and components         Is the panel builder's responsibility.           10.3.2 Protection against electric shock         Does not apply, since the entire switchgear needs to be evaluated.           10.4 Corporation of switching devices and components         Is the panel builder's responsibility.           10.3 Repare of protectio	Design verification	
Heat dissipation capacity Pdiss       0W         Heat dissipation per pole, current-dependent Pvid       8W         Rated operational current for specified heat dissipation (In)       250 A         Static heat dissipation, non-current-dependent Pvs       0W         102.22 Corrosion resistance       0W         102.31 Verification of thermal stability of enclosures       0W         102.32 Verification of resistance of insulating materials to normal heat       Meets the product standard's requirements.         102.33 Verification of resistance of usulating materials to normal heat       Meets the product standard's requirements.         102.32 Verification of resistance of insulating materials to normal heat       Meets the product standard's requirements.         102.34 Resistance to ultra-violet (UV) radistion       Meets the product standard's requirements.         102.4 Resistance to ultra-violet (UV) radistion       Dees not apply, since the entire switchgear needs to be evaluated.         102.4 Resistance to sets be product standard's requirements.       Dees not apply, since the entire switchgear needs to be evaluated.         102.4 Resistance of insulating material       Meets the product standard's requirements.         103.0 Egree of protection of assemblies       Does not apply, since the entire switchgear needs to be evaluated.         104.1 Clearances and creepage distances       Meets the product standard's requirements.         105.2 Protection against e		8W
Heat dissipation per polo, current-dependent Pvid         8 W           Rated operational current for specified heat dissipation (In)         250 A           Static heat dissipation, non-current-dependent Pvs         0 W           10.2.2 Corrosion resistance         0 W           10.2.3 Verification of thermal stability of enclosures         Meets the product standard's requirements.           10.2.3.1 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           10.2.3.2 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           10.2.3.1 Verification of resistance of insulating materials to normal heat         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 Lifting         Does not apply, since the entire switchgear needs to be evaluated.           10.2.7 Inscriptions         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         Is the panel builder's responsibility.           10.8 Connections for external conductors		
Rated operational current for specified heat dissipation (In)       250 A         Static heat dissipation, on-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 resistance of insulating materials to normal heat       Meets the product standard's requirements.         10.2.3.3 Resist of insul, mat to abnormal heat/fire by internal elect. effects       Meets the product standard's requirements.         10.2.4 Resistance to ultra-widet (UV) radiation       Does not apply, since the entire switchgear needs to be avaluated.         10.2.5 Lifting       Does not apply, since the entire switchgear needs to be avaluated.         10.2.6 Lifting       Does not apply, since the entire switchgear needs to be avaluated.         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 avaluated.         10.4 Clearances and creepage distances       Meets the product standard's requirements.         10.5 Protection against electric abork       Does not apply, since the entire switchgear needs to be avaluated.         10.6 Incorporation of switching devices and components       Is the panel builder's responsibility.         10.8 Concections for external conductors       Is the panel builder's responsibility.		
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10.9.3 Impulse withstand voltage       Is the panel builder's responsibility.         10.9.4 Testing of enclosures made of insulating material       Is the panel builder's responsibility.         10.10 Temperature rise       Is the panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.         10.11 Short-circuit rating       Is the panel builder's responsibility. The specifications for the switchgear must be observed.         10.12 Electromagnetic compatibility       Is the panel builder's responsibility. The specifications for the switchgear must be observed.         10.13 Mechanical function       The device meets the requirements, provided the information in the instruction		
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10.13 Mechanical function     observed.	10.11 Short-circuit rating	
	10.12 Electromagnetic compatibility	
	10.13 Mechanical function	

## **Technical data ETIM 8.0**

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

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lecnologia electronica, de automatización y de mando de procesos / lecnologi control / Seccionador de ruptura de carga compacto (ecl@ss10.0.1-27-37-14-03		e baja te	nsión / Conmutador de carga, seccionador de ruptura de carga, conmutador de
Version as main switch			No
/ersion as maintenance-/service switch			No
/ersion as safety switch			No
lersion as emergency stop installation			No
/ersion as reversing switch			No
lumber of switches			1
Nax. rated operation voltage Ue AC	١	V	690
Rated operating voltage	١	V	690 - 690
Rated permanent current lu	Ļ	A	250
lated permanent current at AC-23, 400 V	Ļ	A	250
Rated permanent current at AC-21, 400 V	ŀ	A	250
Rated operation power at AC-3, 400 V	k	kW	55
lated short-time withstand current lcw	k	kA	4.6
lated operation power at AC-23, 400 V	k	kW	90
witching power at 400 V	k	kW	90
onditioned rated short-circuit current Iq	k	kA	30
lumber of poles			3
lumber of auxiliary contacts as normally closed contact			0
lumber of auxiliary contacts as normally open contact			0
lumber of auxiliary contacts as change-over contact			0
fotor drive optional			No
Notor drive integrated			No
oltage release optional			No
Device construction			Built-in device fixed built-in technique
uitable for floor mounting			No
uitable for front mounting 4-hole			Yes
uitable for front mounting centre			No
uitable for distribution board installation			No
uitable for intermediate mounting			No
colour control element			Black
ype of control element			Short thumb-grip
nterlockable			No
ype of electrical connection of main circuit			Frame clamp
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			12