Main switch, P3, 100 A, rear mounting, 3 pole, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



Part no. P3-100/V/SVB-SW 064976

General specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-100/V/SVB-SW
EAN	4015080649762
Product Length/Depth	150 millimetre
Product height	114 millimetre
Product width	90 millimetre
Product weight	0.458 kilogram
Certifications	IEC/EN 60947 IEC/EN 60204 CSA IEC/EN 60947-3 VDE 0660 CE CSA-C22.2 No. 60947-4-1-14 CSA-C22.2 No. 94 CSA File No.: 012528 CSA Class No.: 3211-05 UL Category Control No.: NLRV UL File No.: E36332 UL UL 60947-4-1 UL CSA
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
eatures & Functions	
Features	Version as main switch Version as maintenance-/service switch
Fitted with:	Black rotary handle and locking ring
Functions	Interlockable STOP function
Locking facility	Lockable in the 0 (Off) position
Number of poles	3
eneral 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	Rear mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Suitable for	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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity	1 x (1.5 - 25) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm <sup>2</sup> , flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule 1 x (2.5 - 35) mm <sup>2</sup> , solid or stranded 2 x (2.5 - 10) mm <sup>2</sup> , solid or stranded
Screw size	M5, Terminal screw
Tightening torque	3 Nm, Screw terminals 26.5 lb-in, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	760 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	740 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	880 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	520 A
Rated operational current (le) at AC-3, 220 V, 230 V, 240 V	71 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	71 A
Rated operational current (le) at AC-3, 500 V, 400 V, 413 V	65 A
	23.8 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	23.8 A 100 A
Rated operational current (Ie) at AC-21, 440 V	
Rated operational current (Ie) at AC-23A, 230 V	100 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	100 A
Rated operational current (le) at AC-23A, 500 V	96 A
Rated operational current (le) at AC-23A, 690 V	68 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	100 A
Rated operational current (Ie) at DC-23A, 24 V	50 A
Rated operational current (Ie) at DC-23A, 48 V	50 A
Rated operational current (Ie) at DC-23A, 60 V	50 A
Rated operational current (Ie) at DC-23A, 120 V	25 A
Rated operational power at AC-3, 380/400 V, 50 Hz	37 kW
Rated operational power at AC-3, 415 V, 50 Hz	37 kW
Rated operational power at AC-3, 500 V, 50 Hz	45 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	55 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 (Iu)	100 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) 80 kA (Supply side)
Rated short-time withstand current (Icw)	2 kA
Short-circuit current rating (basic rating)	150A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
Short-circuit protection rating	100 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating Control of the Control o	1.3 x l# (with intermittent operation class 12, 60 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor) 1.6 x l# (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

observed.	Switching capacity (main contacts, general use)	100 A, If used with neutral conductor IU = max. 90 A, Rated uninterrupted current
Switching capacity (auditary contacts, pilot daty)  Red classing capacity (au to RBV (rice git in RECEN RBMT-5)  Whoter arting  Accigned motor power at 15/20 V, 08 ib. 1- phases Accigned motor power at 15/20 V, 08 ib. 1- phases Accigned motor power at 20/20 V, 08 ib. 1- phases Accigned motor pow		
AND DULCSAY  Wholeya par canaster pair in series  Motor rating  Assigned motor power at 151/20 V, 10 Hz, 1-phases Assigned motor power at 151/20 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases Assigned motor power at 20028 V, 10 Hz, 1-phases  Control of course deliability  I failure per 100,000 evinching operations statistically determined, at 20 V DC, 10 m/n  Number of auxiliary canastic (phane) ever contacts  Astatistic color  Actuator  Actuator (pre)  Part of auxiliary canastic (phane) ever contacts  Number of auxiliary canastic (phane) ever contacts  O V  Part dissiplation per puls, current dependent Poil  Explainment had dissiplatin, current dependent Poil  Based quentional current for specified head dissiplating in liquid  Actuator (pre)  10 22 A Transferdent of referent at society of a exclusive principle and e		
Woter rating  Motor rating  Assigned motor power at 150/20 V, 00 Hz, 1-phase  Assigned motor power at 150/20 V, 00 Hz, 1-phase  Assigned motor power at 200/20 V, 00 Hz, 1-phase  Assigned motor pow	Switching capacity (auxiliary contacts, pilot duty)	
Assigned motor power at 105/10 V, 60 Hz, 1-phase	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	950 A
Assigned motor power at 115,120 V, 68 Vz. 1-phase Assigned motor power at 200,008 V 68 Vs. 1-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Assigned motor power at 200,008 V 68 Vs. 2-phase Contract Contract Contract Contract of record reliability Institute of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of crount detablity Assigned motor power at 700,000 V 68 Vs. 2-phase Contract of crount detablity Power at 200,000 Vs. 60 Vs. 2-phase Contract of crount detablity Assigned motor power at 700,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 60 Vs. 2-phase Contract of assigned power at 200,000 Vs. 2-phase Contract of assigned powe	Voltage per contact pair in series	60 V
Assigned motor power at 2802/08 V, 68 Hz, 5-phase 20 HP Assigned motor power at 2802/08 V, 68 Hz, 5-phase 21 HP Assigned motor power at 2802/08 V, 68 Hz, 5-phase 25 HP Assigned motor power at 2802/08 V, 68 Hz, 5-phase 25 HP Assigned motor power at 2802/08 V, 68 Hz, 5-phase 26 HP Assigned motor power at 2802/08 V, 68 Hz, 5-phase 27 HP Contacts  Control circuit mishibility 15 HP Contacts  Control circuit mishibility 25 HP Number of auxiliary contacts (change-over contacts) 0 Nu	Motor rating	
Assigned mater power at 200, 200 V, 50 PL, 5-phase Assigned mater power at 200, 200 V, 50 PL, 1-phase Assigned mater power at 200, 200 V, 50 PL, 5-phase Assigned mater power at 200, 200 V, 50 PL, 5-phase Assigned mater power at 200, 200 V, 50 PL, 5-phase Assigned mater power at 200, 200 V, 50 PL, 5-phase Assigned mater power at 50, 200 V, 50 PL, 5-phase Assigned mater power at 50, 200 V, 50 PL, 5-phase Assigned mater power at 50, 200 V, 50 PL, 5-phase Assigned mater power at 50, 200 V, 50 PL, 5-phase Assigned mater power at 50, 200 V, 50 PL, 5-phase Control circuit reliability I failure per 100,000 awxiching operations statistically determined, at 24 V DC, 10 PL, 10	Assigned motor power at 115/120 V, 60 Hz, 1-phase	5 HP
Assigned motor power at 200740 V, 60 Hz, 1-phase 29 HP Assigned motor power at 200740 V, 60 Hz, 3-phase 99 HP Assigned motor power at 575600 V, 60 Hz, 3-phase 99 HP Assigned motor power at 675600 V, 60 Hz, 3-phase 97 HP  Contracts  Corrical credit reliability 15 Hallows per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Number of auxiliary power of auxiliary (normally open contacts) 0 Number of auxiliary power of auxiliary (normally open contacts) 0 Number of auxiliary power of auxiliary (normally open contacts) 0 Number of auxiliary power of auxiliary (normally open contacts) 0 Number of auxiliary power of auxiliary (normally open contacts) 0 Number of auxiliary (normally open contacts) 0 Number of auxiliary (normally open contacts) 0 Number of auxiliary (normally open contacts	Assigned motor power at 200/208 V, 60 Hz, 1-phase	10 HP
Assigned motor power at 200/20 V, 80 Hz, 3-phase Assigned motor power at 200/20 V, 80 Hz, 3-phase Assigned motor power at 200/20 V, 80 Hz, 3-phase 75 HP  Contacts  Contacts  Contacts  Control circuit reliability Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (change-over contacts)	Assigned motor power at 200/208 V, 60 Hz, 3-phase	20 HP
Assigned motor power at \$75,000 V, 60 Hz, 3-phase  Assigned motor power at \$75,000 V, 60 Hz, 3-phase  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Actuator  Actuator  Actuator  Actuator vipe  Back  Back  Back  Back  Actuator vipe  Bosign everification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation paper lobe, current-dependent Pvid  Heat dissipation paper lobe, current-dependent Pvid  Heat dissipation problem in the manual stability of enclosures  Meets the product standard's requirements.  10.23 Verification of resistance  10.23.3 Verification of internal stability of enclosures  Meets the product standard's requirements.  10.23.3 Verification of resistance of insulating materials to normal heat  10.23.3 Verification of resistance of insulating materials to normal heat  10.23.4 Resistance of insulating materials to normal heat  10.24 Resistance outh avoided lively radiation  10.25 Lifting  Does not apply, since the entire switchpean reads to be evaluated.  10.25 Lifting  Does not apply, since the entire switchpean reads to be evaluated.  10.26 Incarporation of auxiliary and companients  10.27 Inscriptions  10.30 Resistance on order switchpean reads to be evaluated.  10.40 Incarporation of switching devices and components  10.30 Resistance on order switchpean reads to be evaluated.  10.40 Incarporation of switching devices and components  10.31 Resistance on order switchpean reads to be evaluated.  10.40 Incarporation of switching devices and components  10.32 Provertion agains desicter shock  10.40 Incarporation of switching devices and components  10.31 Resistance on order and contact switchpean reads to be evaluated.  10.41 Incarporation of switching devices and components  10.42 Incarporation of switching devices and components  10.43 Resistance or order and contact switchpean reads to be eva	Assigned motor power at 230/240 V, 60 Hz, 1-phase	15 HP
Assigned motor power at 578-980 V. 60 Hz, 3-phase  Control circuit reliability  Control circuit reliability  Number of auxiliary contracts (change-over contacts)  Number of auxiliary contracts (change-over contacts)  Number of auxiliary contracts (normally closed contracts)  Number of auxiliary contracts (normally open centracts)  Actuator  Actuator  Actuator  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Read dissipation capacity Pdass  Black  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Read dissipation capacity Pdass  Buy  Heat dissipation capacity Pdass  Buy  Heat dissipation current-of pseededent Pvid  Ratid operational current for specified heat dissipation (in)  102.2 Corrosion resistance  Meets the product standard's requirements.  102.33 Retian lams than absorting insterials or normal heat  102.32 Verification of resistance of insulating insterials or normal heat  102.33 Retian lams than a thoromal heat Pvide by the contract of the product standard's requirements.  102.34 Resistance to other-violet (UV) radiation  102.54 Rechancel impact  102.55 Mechancel impact  102.56 Mechancel impact  102.67 Protection of psistance of insulating insterials elect effects  104 Clearances and creepage distances  105 Protection of psistance only in connection with protective shield.  106 Incorporation of aventhing devices and components  107 Internal electrical circuits and connections  108 Deen not apply, since the entire switchpear needs to be evaluated.  109 Deen not apply, since the entire switchpear needs to be evaluated.  109 Internal electrical circuits and connections  109 Deen not apply, since the entire switchpear needs to be evaluated.  109 Internal electrical circuits and connections  109 Deen not apply, since the entire switchpear needs to be evaluated.  109 Internal electrical circuits and con	Assigned motor power at 230/240 V, 60 Hz, 3-phase	25 HP
Contacts  Control circuit reliability  Rumber of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Actuator color  Actuator type  Dosc coupling rotary drive  Design verification  Equipment beat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Net dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Price and dissipation per pole, current-dependent Pvid  Price and dissipation, non-current-dependent Pvid  Price and dissipation and dissipation and	Assigned motor power at 460/480 V, 60 Hz, 3-phase	60 HP
Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator over Black  Actuator rype  Door coupling retary drive  Dosign verification  Equipment head dissipation, current-dependent Pvid  Heat dissipation capacity Pdias  OW  Read dissipation, open-current-dependent Pvid  Read dissipation on-current-dependent Pvid  Read operational current for specified head dissipation (in)  3100 A  Static head dissipation, on-current-dependent Pvid  102.2 Corresion resistance  Metal subjection of resistance of insulating materials to normal heat  102.3.3 Resistance of insulating materials to normal heat  102.3.3 Resistance is ultra-violet (IUV) redistion  102.5 Uffing  Does not apply, since the entire switchgar meeds to be evaluated.  102.5 Mechanical impact  102.5 Rechanical impact  102.6 Does not apply, since the entire switchgar needs to be evaluated.  102.6 Does not apply, since the entire switchgar needs to be evaluated.  103 Degree of protection of assemblies  104 Clearances and creepage distances  Meets the product standard's requirements.  105 Protoccion against electric shock  Does not apply, since the entire switchgar needs to be evaluated.  106 Clearances and creepage distances  Meets the product standard's requirements.  107 Internal electric circuits and one switchgar needs to be evaluated.  108 Protoccion of assemblies  109 Does not apply, since the entire switchgar needs to be evaluated.  109 Degree of protection of assemblies  109 Does not apply, since the entire switchgar needs to be evaluated.  109 Degree of protection of assemblies  109 Degree of protection of switching devices and components  109 Degree of protection of switching devices and components  109 Degree of protection of switching devices and components  109 Degree of protection of switching devices and components  109 Degree of protection of sw	Assigned motor power at 575/600 V, 60 Hz, 3-phase	75 HP
Number of auxiliary contacts (change over contacts)  Number of auxiliary contacts (normally clased contacts)  O	Contacts	
Number of auxiliary contacts (normally closed contacts)  Actuator  Actuator color Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation per polic, current-dependent Pvid Reted operational current for specified heat dissipation (processed on the product standard's requirements.  102.21 Verification of thermal stability of enclosures  102.23.1 Verification of thermal stability of enclosures  102.23.1 Verification of thermal stability of enclosures  102.23.2 Verification of thermal stability of enclosures  102.24.2 Verification of thermal stability of enclosures  102.25.2 Unrification of thermal stability of enclosures  102.2 Nesistance to subtra-violet (UV) radiation  102.2 Resistance to subtra-violet (UV) radiation  102.2 Resistance to subtra-violet (UV) radiation  102.2 Resistance to subtra-violet (UV) radiation  102.2 Internal color and process on the product standard's requirements.  103.2 Repetation and process on the product standard's requirements.  103.2 Repetation and process on the product standard's requirements.  103.2 Repetation of switching devices and compension of switching devices and compensions  103.6 Recorporation of switching devices and compensions  104.7 Internal electrical circuits and connections  105.8 Recorporation of switching devices and compensions  106.8 Recorporation of switching devices and compensions  107.2 Internal electrical circuits and connections  108.8 Testing of enclosures made of insulating material  109.3 Impulse validation of switching devices and compensions  109.3 Impuls	Control circuit reliability	
Actuator  Actuator color Actuator cype  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Actuator vype  Down capacity Pdiss  Heat dissipation current for specified heat dissipation (In)  Static heat dissipation current for specified heat dissipation (In)  Static heat dissipation non-current dependent Pvid  Actuator vype  Down description of the main stability of enclosures  Down dissipation of the main stability of enclosures  Down dissipation of thermal stability of enclosures  Meets the product standard's requirements.  Moets the product standard's requirements.  Down dissipation of thermal stability of enclosures  Moets the product standard's requirements.  Down dissipation of resistance of insulating materials to normal heat  Meets the product standard's requirements.  Down dissipation of resistance of insulating materials to normal heat  Moets the product standard's requirements.  Down of sply, since the entire switchpear needs to be evaluated.  Down of sply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since the entire switchpear needs to be evaluated.  Does not apply, since t	Number of auxiliary contacts (change-over contacts)	0
Actuator color Actuator color Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss Down Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Rated operational current to specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Most the product standard's requirements. U2.3.1 Verification of resistance of insulating materials to normal heat Most the product standard's requirements. Most the product standard's requirements. U2.2.8 Resistance to ultra-violet (IVI) radiation U2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Most the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Distriction	Number of auxiliary contacts (normally closed contacts)	0
Actuator color Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, nor-current-dependent Pvid  OW  Static heat dissipation, nor-current-dependent Pvid  OW  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  UV resistance only in connection with protect wheld.  Oes not apply, since the entire switchgear needs to be evaluated.  10.2.5 Lifting  Oes not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Oes not apply, since the entire switchgear needs to be evaluated.  10.2 Power-continue of switching devices and components  Oes not apply, since the entire switchgear needs to be evaluated.  10.4 Dearances and creepage distances  Meets the product standard's requirements.  Oes not apply, since the entire switchgear needs to be evaluated.  10.5 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.8 Oenections for external conductors  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.1 S	Number of auxiliary contacts (normally open contacts)	0
Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation, capacity Pdiss OW  Heat dissipation capacity Pdiss OW  Reat dissipation per pole, current-dependent Pvid Reated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs OW  10.2.2 Corrosion resistance Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.  10.2.3.2 Resistance to ultra-violet (IV) radiation UV resistance only in connection with protective shield.  10.2.4 Resistance to ultra-violet (IV) 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 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.  10.9 Power-frequency electric strength Is the panel builder's responsibility.  10.9 Power-frequency electric strength Is the panel builder's responsibility.  10.9 Power-frequency electric strength Is the panel builder's responsibility.  10.10 Temperature rise The panel builder's responsibility.  10.10 Temperature rise The panel builder's responsibility.  10.10 Temperature rise The panel builder's responsibility.  10.11 Short-circuit rating  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Actuator	
Equipment heat dissipation, current-dependent Pvid  Heat dissipation, capacity Pdiss  0 W  Heat dissipation capacity Pdiss  0 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  7.5 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist, of insult, mat to abnormal heat/fire by internal elect, effects  10.2.4 Resistance to ultra-violet (UV) rediation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3.0 Degree of protection of assemblies  10.3.0 Degree of protection of assemblies  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Ronorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.10 Temperature rise  The panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Actuator color	Black
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  0 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  100 A  Static heat dissipation, non-current-dependent Pvs  102.2 Corrosion resistance  Meets the product standard's requirements.  102.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3.2 Verification of resistance of insulating materials to normal heat  102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  102.4 Resistance to ultra-violet (UV) radiation  102.5 Liffing  Does not apply, since the entire switchgear needs to be evaluated.  102.6 Mechanical impact  102.7 Inscriptions  Meets the product standard's requirements.  103.0 Begree of protection of assemblies  104.0 Clearances and creepage distances  Meets the product standard's requirements.  105.0 Protection against electric shock  106.1 Rocoproarison of assemblies  107.1 Internal electric shock  108.2 Rower-frequency electric shock  109.2 Romanical fining devices and components  109.3 Romanical fining devices and components  109.4 Testing of enclosures made of insulating material  109.4 Testing of enclosures made of insulating material  109.1 Thermal electric accounts and connections  109.4 Testing of enclosures made of insulating material  109.5 Temperature rise  109.6 Temperature rise  109.6 Temperature rise  109.7 The panel builder's responsibility.  109.8 Temperature rise  109.9 Temperature rise calculation. Eaton will provide heat dissipation data for the devices.  109.1 The panel builder's responsibility.  109.2 Flower-frequency electric strength  109.4 Testing of enclosures made of insulating material  109.5 Temperature rise  109.6 Temperature rise calculation. Eaton will provide heat dissipation data for the devices.  109.1 The panel builder's responsibility.  109.2 The panel builder's responsibility.  1	Actuator type	Door coupling rotary drive
Reat dissipation, current-dependent Pvid  Heat dissipation, per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  100 A  Static heat dissipation, non-current-dependent Pvs  102.2 Corrosion resistance  Meets the product standard's requirements.  UV resistance to ultra-violet (UV) radiation  UV resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Short-circuit rating  In the panel builder's responsibility.	Design verification	
Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  7.5 W  Rated operational current for specified heat dissipation (In)  10.0 A  Static heat dissipation, non-current-dependent Pvs  0 W  10.22 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/Irro by internal elect. effects  Meets the product standard's requirements.  10.2.3 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.  10.2.7 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.  10.9 2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 3 Impulse withstand voltage  10.9 4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility.  Is the panel builder's responsibility.  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	•	0 W
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10.2.3. Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  Is the panel builder's responsibility. The specifications for the switchgear must b observed.	10.2.3.1 Verification of thermal stability of enclosures	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.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  In 19.2 Power-frequency electric strength  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  Descriptions for external conductors  Is the panel builder's responsibility.  Descriptions for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Descriptions for the switchgear must be observed.  Descriptions for the switchgear must be observed.  Descriptions for the switchgear must be observed.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.3 Degree of protection of assemblies  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.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
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10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  10.14 Strength builder's responsibility.  11.15 Is the panel builder's responsibility.  12.16 Is the panel builder is responsibility.  13.17 The specifications for the switchgear must be observed.  14.18 The panel builder's responsibility. The specifications for the switchgear must be observed.  15.19 The panel builder's responsibility. The specifications for the switchgear must be observed.  16.19 The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength	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 b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	
observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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	

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216) Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018]) Version as main switch Yes Version as maintenance-/service switch Yes Version as safety switch No Version as emergency stop installation No Version as reversing switch No Number of switches ٧ 690 Max. rated operation voltage Ue AC ٧ 690 - 690 Rated operating voltage 100 Rated permanent current lu Α Rated permanent current at AC-23, 400 V Α 100 Rated permanent current at AC-21, 400 V 100 Rated operation power at AC-3, 400 V kW 37 kΑ 2 Rated short-time withstand current lcw Rated operation power at AC-23, 400 V kW 55 Switching power at 400 V kW 55 Conditioned rated short-circuit current Iq kΑ 80 Number of poles 3 0 Number of auxiliary contacts as normally closed contact 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 No Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No Colour control element Black Type of control element Door coupling rotary drive Interlockable Yes Type of electrical connection of main circuit Screw connection With pre-assembled cabling No IP65 Degree of protection (IP), front side Degree of protection (NEMA) 12 Width 90 mm Height 114 mm

Depth

Width in number of modular spacings

150

mm