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



Main switch, P3, 63 A, flush mounting, 3 pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position  $\mathbf{r}$ 

Part no. P3-63/EA/SVB

031607

**EL Number** 1456124

(Norway)

(Norway)	
General specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/EA/SVB
EAN	4015080316077
Product Length/Depth	128 millimetre
Product height	102 millimetre
Product width	87 millimetre
Product weight	0.426 kilogram
Certifications	CSA UL File No.: E36332 CSA-C22.2 No. 94 UL 60947-4-1 CE CSA File No.: 012528 UL UL Category Control No.: NLRV CSA Class No.: 3211-05 CSA-C22.2 No. 60947-4-1-14 IEC/EN 60947 IEC/EN 60947 IEC/EN 60947-3 VDE 0660 IEC/EN 60204
Product Tradename	P3
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Features	Version as main switch Version as maintenance-/service switch Version as emergency stop installation
Fitted with:	Red rotary handle and yellow locking ring
Functions	Interlockable Emergency switching off function
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	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  Climatic environmental conditions	Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)
voncent environmental community	

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	$2 \times (1.5 - 6) \text{ mm}^2$ , flexible with ferrules to DIN 46228
тепппа сараску	1 x (1.5 - 25) mm², flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule 2 x (2.5 - 10) mm², solid or stranded 1 x (2.5 - 35) mm², solid or stranded
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	640 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	600 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	590 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (le) at AC-3, 220 V, 230 V, 240 V	51 A
Rated operational current (le) at AC-3, 380 V, 400 V, 415 V	55 A
Rated operational current (le) at AC-3, 500 V	44 A
Rated operational current (le) at AC-3, 660 V, 690 V	22.1 A
Rated operational current (Ie) at AC-21, 440 V	63 A
Rated operational current (Ie) at AC-23A, 230 V	63 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	63 A
Rated operational current (le) at AC-23A, 500 V	63 A
Rated operational current (le) at AC-23A, 690 V	63 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (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	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 690 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	100 kA (Supply side) 4 kA (Load side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	150A, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating	10 kA, SCCR (UL/CSA)  80 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	1.6 x l# (with intermittent operation class 12, 40 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) $2 \times l$ # (with intermittent operation class 12, 25 % 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

Selecting capacity (auxiliary contacts, plot duty) Robitoring capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity to 1689 (pag pin 16CPN (IRSA12) Rotter duty capacity capacity (pag pin 16CPN (IRSA12) Rotter duty capac	Switching capacity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)
Switching appacity somilary contacts, pilet ducty  Fasted making expacity so to 680 V (cor pile to IECEN 6887-3)  Works per created pair in series  Assigned moter grover at 190700, 450 Mr. I phane  Assigned moter grover at 190700, 450 Mr. I phane  Assigned moter grover at 190700, 450 Mr. I phane  Assigned moter grover at 200200 W. Mo Int., 1-phane  Assigned moter grover at 200200 W. Mo Int., 1-phane  Assigned moter grover at 200200 W. Mo Int., 1-phane  Assigned moter grover at 200200 W. Mo Int., 1-phane  Assigned moter grover at 200200 W. Mo Int., 3-phane  Assigned moter grover at 200200 W. Mo Int., 3-phane  Assigned moter grover at 200200 W. Mo Int., 3-phane  Assigned moter grover at 200200 W. Mo Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Assigned moter grover at 575600 V. 80 Int., 3-phane  Contracts  Contr		
Rated making capacity up to 680 V (cac pair to 160 CM 60847 3)  Voltage or restrict pair is series  Assigned motor power at 150130 V, 60 Nr. 1 phase Assigned motor power at 150130 V, 60 Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 1 phase Assigned motor power at 2002 V O Nr. 2 phase Ass		P600 (UL/CSA)
Worker straing  Assigned motor power at 15(120 M Bit N, 1-phase Assigned motor power at 200209 V, 10 Hz, 1-phase Assigned motor power at 200209 V, 10 Hz, 1-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 2-phase Assigned motor power at 200209 V, 10 Hz, 3-phase Assigned motor power at 200200 V, 10 Hz, 3-phase Assigned motor power at 400400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase Assigned motor power at 500400 V, 10 Hz, 3-phase  Contracts	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	
Motor rating  Assigned motor gover at 15/12/0 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 1-phase Assigned motor gover at 20/20/8 V, 80 Hz, 2-phase Assigned motor gover at 20/20/8 V, 80 Hz, 2-phase Assigned motor gover at 20/20/8 V, 80 Hz, 2-phase Assigned motor gover at 20/20/8 V, 80 Hz, 2-phase  Contract circuit reliability  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Number of auxiliary contacts (change-over contacts)  I failure per 100/06 avalching operations statistically determined, at 24 V DC, mAI Actuator type  Design varification  Equipment hast dissipation, coursed dependent Ped Actuator type  Design varification  Equipment hast dissipation capacity Prices  Metal dis		
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Assigned motor power at 200,208 V, 60 Pt. 3-phase Assigned motor power at 200,208 V, 60 Pt. 3-phase Assigned motor power at 200,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Assigned motor power at 500,408 V, 60 Pt. 3-phase Control circuit reliability  If failure per 100,000 switching operations statistically determined, at 24 V D.C. mA/  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Actuator color  Actuator vivo  Actuator vivo  Actuator vivo  Actuator vivo  Actuator vivo  Equipment heat dissipation, current-dependent Pvid  Passing varification  Equipment heat dissipation, current-dependent Pvid  Hant dissipation per pole, current-dependent Pvid  Hant dissipation according of the addissipation (in)  10.2 A Device of instantial stability of enclosures  Meets the product standard's requirements.  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Verification of resistance of insulating materials to normal heat  10.2.2 Procession of soviching devices and camponents  10.3.4 Texture of sequence excellent in the certain of sequence of the cer		
Assigned motor power at 220/20 V, 50 Hz, 1-phase Assigned motor power at 220/20 V, 50 Hz, 2-phase Assigned motor power at 275/500 V, 50 Hz, 3-phase Assigned motor power at 575/500 V, 50 Hz, 3-phase Assigned motor power at 575/500 V, 50 Hz, 3-phase  Contracts:  Control circuit reliability  Anumber of auxiliary contacts (change-new contacts)  Number of auxiliary contacts (change-new contacts)  Number of auxiliary contacts (change-new contacts)  Number of auxiliary contacts (change-new contacts)  Actuator  Actuator or of auxiliary contacts (normally open contacts)  Actuator or Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator or Part of auxiliary contacts (normally open contacts)  Actuator type  Door coupling rotary drive  Part of auxiliary of the Part of Auxiliary of Actuator (normally open contacts)  Actu		
Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase Assigned motor power at 230/260 V, 60 Hz, 3-phase  Description of auxiliary contacts (Annually contacts)  Number of auxiliary contacts (Annually contacts)  Number of auxiliary contacts (Annually contacts)  Actuator  Actuator color  Actuator rype  Door coupling ratiny drive  Description of the phase of particular of the Actuator rype  Equipment heart dissipation, current-dependent Pvid  Heart dissipation, capacity Poiss  DV  Pated dissipation capacity Poiss  OV  Rated operational current for specified heat dissipation (In)  Star heart dissipation, converted dependent Pvid  19.23 Orrossin resistance  19.23 Verification of thermal stability of enclosures  Meets the product standard is requirements.  19.23 Verification of resistance of insulating materials to normal heat  19.23 Verification of resistance of insulating materials to normal heat  19.23 Perification of resistance of insulating materials to normal heat  19.23 Perification of resistance of insulating materials to normal heat  19.23 Perification of resistance of insulating materials to normal heat  19.24 Resistance in ultra-violet (IV) rediction  19.25 Informal stability of enclosures  Meets the product standard is requirements.  19.25 Protection of against electric shock  Descriptions  Meets the product standard is requirements.  19.26 Resistance on ultra-violet (IV) rediction  19.27 Inscriptions  Meets the product standard is requirements.  19.28 Resistance on ultra-violet (IV) rediction  19.29 Times reported to the same blank of the sequence of the evaluated.  19.29 Times reported to the same blank of the sequence of the evaluated.  19.29 Times reported to the same blank of the sequence of the sequence of the		
Assigned mintor power at 450/400 V, 50 IV, 3-phase Assigned mintor power at 575/600 V, 60 IV, 3-phase Contracts Contract in cried trailability Contract in		
Assigned motor power at 575/900 V, 60 Hz, 3 phases  Control circuit reliability  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 closed contacts)  Actuator  Actuator  Actuator  Actuatory  Design verification  Equipment head dissipation, current-dependent Pivid  Head dissipation, per pole, current-dependent Pivid  Head dissipation per pole, current-dependent Pivid  Head dissipation per pole, current-dependent Pivid  Head dissipation non-current dependent Pivid  Actuator contacts (non-current dependent Pivid  Head dissipation of per pole, current-dependent Pivid  Head dissipation of per pole, current-dependent Pivid  Head dissipation of per pole, current-dependent Pivid  Actuator contacts (non-current dependent Pivid  Head dissipation of per pole, current-dependent Pivid  Actuator contacts (non-current dependent Pivid  Head dissipation of per pole, current-dependent Pivid  Head dissipation of per pole	• • • • • • • • • • • • • • • • • • • •	
Control circuit reliability  Number 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)  Number of auxiliary contacts (normally closed contacts)  Actuator color  Actuator type  Does coupling rotary drive  Equipment beart dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Heat dissipation carrent dependent Pvid  Heat dissipation nor project, current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  10.2.3 Verification  State heat dissipation, non-current-dependent Pvid  10.2.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  Meets the product standard's requirements.  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  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Meets the product standard's requirements.  10.2.5 Utrue  10		
Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (namelly closed contacts)  Number of auxiliary contacts (namelly closed contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Redutator  Actuator color  Actuator ordor  Actuator type  Design verification  Equipment head dissipation, current-dependent Pvid  Head dissipation or per pole, current-dependent Pvid  Actuator for specification  Stafe head dissipation or per pole, current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Actuator vive  Do W  Head dissipation or per pole, current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or per pole, current-dependent Pvid  Ret dissipation or current-dependent Pvid  Ret the product standard's requirements.  Ret the product		50 HP
m/A) Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator our  Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Red operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Red operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, on-current-dependent Pvid  Down the static display of enclosures  102.2.1 Verification of thermal stability of enclosures  102.2.2 Verification of testinal current for specified heat dissipation (In)  102.2.4 New Static on of thermal stability of enclosures  Meets the product standard's requirements.  Meets the product standard's requirements.  102.2.4 Resistance to ultra-violet (IUV) radiation  102.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.6 Nectation of product standard's requirements.  102.7 Inscriptions  103.0 Degree of product standard's requirements.  104.1 Clearances and creepage distances  Meets the product standard's requirements.  105. Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  106. Incorporation of switching devices and components  107. Instratial electrical circuits and comme	Contacts	
Number of auxiliary contacts (normally open contacts)  Actuator  Actuator Red  Actuator ype  Door coupling rotary drive  Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation of apocity Pdiss Heat dissipation of apocity Pdiss  Bated operational current for specified heat dissipation (and the specification)  Static heat dissipation, on-current-dependent Pvid Hated operational current for specified heat dissipation (and the specified heat dissipation)  Static heat dissipation, on-current-dependent Pvis  102.2 Fornsion resistance  Metal the product standard's requirements.  102.3.1 Verification of the mall stability of enclosures  102.3.2 Verification of thermal stability of enclosures  102.3.3 Resistance to ultra-violet (UV) radiation  102.4.2 Verification of resistance of insulating materials to normal heat  102.3.3 Resistance to ultra-violet (UV) radiation  102.5 Lifting  102.6 Mechanical impact  102.6 Mechanical impact  102.7 Inscriptions  103.0 Dees not apply, since the entire switchpear needs to be evaluated.  104.1 Clearances and creepage distances  105.4 Protection against electric shock  106.9 Protection against electric shock  108.9 Protection against electric shock  109.0 Sen not apply, since the entire switchpear needs to be evaluated.  108.1 Remain electrical circuits and connections  108.1 Remain electrical circuits and connections  109.2 Power-frequery electric strength  109.2 Power-frequery electric strength  109.3 Inqualse withstand voltage  109.3 Repair and builder's responsibility.  109.4 Residence of responsibility.  109.5 Protection of external conductors  109.5 Protection of external conductors  109.6 Repair and the product standard's requirements.  109.8 Protection against electric strength  109.9		
Number of auxiliary contacts (normally open contacts)  Actuator color Actuator relor Actuator relor Actuator relor Actuator rype Design verification Equipment heat dissipation, current-dependent Pvid OW Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid As W Heat dissipation per pole, current-dependent Pvid As W Heat dissipation per pole, current-dependent Pvid As W Heat dissipation, non-current-dependent Pvid As W Heat the product standard's requirements.  102.23 Verification of resistance of insulating materials to normal heat Meats the product standard's requirements.  102.23 Verification of resistance of insulating materials to normal heat Meats the product standard's requirements.  102.24 Serification of resistance of insulating materials to normal heat Meats the product standard's requirements.  102.25 Lifting Desenct apply, since the entire switchpaar needs to be evaluated.  102.5 Lifting Desenct apply, since the entire switchpaar needs to be evaluated.  102.6 Mechanical impact Desenct apply, since the entire switchpaar needs to be evaluated.  102.7 Inscriptions Meats the product standard's requirements.  103.0 Degree of protection of assemblies Desenct apply, since the entire switchpaar needs to be evaluated.  104.0 Internaces and creepage distances Meats the product standard's requirements.  105.1 Internal electrical circuits and connections Is the panel builder's responsibility.  103.2 Power frequency electric strength Is the panel builder's responsibility.  103.2 Power frequency electric strength Is the panel builder's responsibility.  103.3 Internal electrical circuits and connections Is the panel builder's responsibility.  103.4 Testing of enclosures made of insulating material Into Temperature rise The p		
Actuator color Actuator ryce Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid A.5 W Heat dissipation, per pole, current-dependent Pvid Heat dissipation, non-current-dependent Pvid A.5 W Heat the product standard's requirements.  Alore the product standard's requirements.  Alore 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.  Alore the product standard's requirements.  Alore the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Alore the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Alore the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Alore the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Into Productions of switchgear needs to be evaluated.  Into Productions of switchgear needs to be evaluated.  Into Productions of switchgear needs to be evaluated.		
Actuator type  Design verification  Equipment heat dissipation, current-dependent Pvid  Neat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  As W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  As W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  OW  10.22 Corrosion resistance  Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resist, of insul, max to abnormal heat/fire by Internal elect, effects  10.24 Resistance to ultra-violet (UV) radiation  10.25 Lifting  Does not apply, since the entire switchgaer needs to be evaluated.  10.27 Inscriptions  Meets the product standard's requirements.  10.28 Mechanical impact  Does not apply, since the entire switchgaer needs to be evaluated.  10.27 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgaer needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.4 Clearances and creepage distances  Meets the entire switchgaer needs to be evaluated.  10.5 Incorporation of switching devices and components  Does not apply, since the entire switchgaer needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Instranal electrical circuits and connections  In the panel builder's responsibility.  Is the panel builder's respons	Number of auxiliary contacts (normally open contacts)	0
Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Net dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  A5. W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  Nests 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 Resists of insul, mat. to abnormal heat/fire by internal elect. effects  102.4 Resistance to ultra-violet (IVI) radiation  102.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  102.8 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  104.4 Clearances and creepage distances  Meets the product standard's requirements.  105.4 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  104.4 Clearances and creepage distances  Meets the product standard's requirements.  105.4 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  106.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  107.5 Internal electrical circuits and connections  Is the panel builder's responsibility.  108.5 Connections for external conductors  Is the panel builder's responsibility.  109.6 Protection against electric shock  Internal electrical circuits and connections  Is the panel builder's responsibility.  109.7 Internal electrics and connections  Is the panel builder's responsibility.  109.8 Prover-frequency electric strength  Is the panel builder's responsibility.  109.9 Power-frequency electric strength  Internal electric and connections for the temperature rise calculation. Eaton will provide heat dissipat	Actuator	
Design verification  Equipment heat dissipation, current-dependent Pvid 0 W  Heat dissipation per pole, current-dependent Pvid 4.5 W  Rated operational current for specified heat dissipation (In) 63 A  Static heat dissipation, per pole, current-dependent Pvid 4.5 W  Rated operational current for specified heat dissipation (In) 63 A  Static heat dissipation, non-current-dependent Pvs 0 W  10.2.2 Corrosion resistance  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 Nesistance to ultra-violet (IV) radiation  W resistance only in connection with protective shield.  10.2.5 Lifting  Dees not apply, since the entire switchgear needs to be evaluated.  10.2.5 Inscriptions  Meets the product standard's requirements.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 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.  10.9.4 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.  10.10 Temperature rise  The panel builder's responsibility. The specifications for the switchgear mus observed.  10.11 Short-circuit rating  Testing and the formation in the instruction  The device meets the requirements, provided	Actuator color	Red
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  0 W  Rated operational current for specified heat dissipation (In)  83 A  Static heat dissipation, non-current-dependent Pvid  10.22 Corrosion resistance  Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.24 Resistance to ultra-violat (UV) radiation  10.25 Lifting  10.25 Lifting  10.26 Mechanical impact  10.27 Inscriptions  Meets the product standard's requirements.  10.30 Regree of protection of assemblies  10.30 Regree of protection of assemblies  10.31 Verification of assemblies  10.32 Register of assemblies  10.33 Register of success and creepage distances  10.34 Clearances and creepage distances  Meets the product standard's requirements.  10.35 Recorporation of switching devices and components  10.45 Incorporation of switching devices and components  10.56 Recorporation of switching devices and components  10.75 Internal electrical circuits and connections  10.84 Connections for external conductors  10.94 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction observed.	Actuator type	Door coupling rotary drive
Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  A4.5 W  Rated 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  10.2.3.3 Resists. of insul, mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5 Inscriptions  Meets the product standard's requirements.  10.2.8 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.1 Protection against electric shock  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.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  10.11 Short-circuit rating  List the panel builder's responsibility.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction of the devices.	Design verification	
Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 V  10.22 Corosion 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 insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  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.  10.5 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  1 is the panel builder's responsibility.  10.9 2 Power-frequency electric strength  10.9 3 Impulse withstand voltage  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  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Equipment heat dissipation, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)  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  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 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.  10.9.4 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.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  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/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protaction 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 Noer-frequency electric strength  10.9 Is the panel builder's responsibility.  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  10.14 Mechanical function  10.15 Mechanical function  10.16 Incorporation of switching devices on the switchgear need sto be evaluated.  10.17 Internal electrical circuits and connections  10.18 Lepanel builder's responsibility.  10.19 Incorporation of switching devices and components  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Mechanical function  10.15 He panel builder's responsibility. The specifications for the switchgear mus observed.  10.16 The device meets the requirements, provided the information in the instruction	Heat dissipation per pole, current-dependent Pvid	4.5 W
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/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  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 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Is the panel builder's responsibility.  10.9 The panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  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.  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  1 Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1 Is the panel builder's responsibility.  10.10 Temperature rise  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility. The specifications for the switchgear mus observed.  1 Is the panel builder's responsibility. The specifications for the switchgear mus observed.  1 Is the panel builder's responsibility. The specifications for the information in the instruction observed.	Rated operational current for specified heat dissipation (In)	63 A
Meets the product standard's requirements.  10.2.3.2 Verification of tresistance of insulating materials to normal heat  10.2.3.3 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  10.2.7 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  10.9.4 Power-frequency electric strength  10.9.4 Testing of enclosures made of insulating material  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.  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 mus observed.  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  In the device meets the requirements, provided the information in the instruction	Static heat dissipation, non-current-dependent Pvs	0 W
10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 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 10.2.7 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 10.9.1 Impulse withstand voltage 10.9.2 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.14 Meets the product standard's requirements. 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 Internal electric size 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 Mechanical function 10.15 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.17 Internal electric standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to be evaluated. 10.19 Leges not apply, since the entire switchgear needs to	10.2.2 Corrosion resistance	Meets the product standard's requirements.
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  10.2.7 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 Power-frequency electric strength  10.9.3 Impulse withstand voltage  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.  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.  The panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  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 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.1 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  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.  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.  In the panel builder's responsibility. The specifications for the switchgear mus observed.  In the panel builder's responsibility. The specifications for the switchgear mus observed.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility. The specifications for the switchgear mus observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.26 Mechanical impact 10.27 Inscriptions Meets the product standard's requirements. 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. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. The specifications for the switchgear mus observed. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear mus observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	UV resistance only in connection with protective shield.
10.27 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.  Is the panel builder's responsibility.  In panel builder's responsibility.  Is the panel builder's responsibility.  In panel builder's responsibility.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  Is the panel builder's responsibility.  10.10 Temperature rise  The panel builder is responsibility. The specifications for the switchgear mus observed.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear mus 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.
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 Power-frequency electric strength  10.9.1 The panel builder's responsibility.  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.  10 Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  In panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  Is the panel builder's responsibility. The specifications for the switchgear mus observed.  The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
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  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1s the panel builder's responsibility.  1s the panel builder is responsibility. The specifications for the switchgear mus observed.  1s the panel builder's responsibility. The specifications for the switchgear mus observed.  1s the panel builder's responsibility. The specifications for the switchgear mus observed.  1s the panel builder's responsibility. The specifications for the switchgear mus observed.  1s the panel builder's responsibility. The specifications for the switchgear mus observed.	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  Is the panel builder's responsibility.  10.10 Temperature rise  The panel builder is responsibility 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 mus observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1s the panel builder's responsibility.  1nus panel builder is responsib	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsibility for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  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.
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  10.19 Is the panel builder's responsibility.  10.10 Is the panel builder is responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Electromagnetic compatibility  10.15 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 In device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  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.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibility.  The panel builder is responsibility for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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.
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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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  10.12 Electromagnetic compatibility  10.13 Mechanical function  provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  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 observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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 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 leaflet (IL) is observed.

## **Technical data ETIM 9.0**

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

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Electric engineering, automation, process control engineering / Low-voltage switch [AKF060018])	technology / Off-load sv	witch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03
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	Α	63
Rated permanent current at AC-23, 400 V	Α	63
Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	100
Number of poles		3
Number of auxiliary contacts as normally closed contact		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		Screw connection
With pre-assembled cabling		No
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		12
Width	mm	87
Height	mm	102
Depth	mm	128