## **DATASHEET - P3-100/EA/SVB**



Main switch, P3, 100 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. P3-100/EA/SVB

074320

**EL Number** 1456132

(Norway)

(Norway)	
General specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-100/EA/SVB
EAN	4015080743200
Product Length/Depth	130 millimetre
Product height	90 millimetre
Product width	90 millimetre
Product weight	0.426 kilogram
Certifications	IEC/EN 60947-3 IEC/EN 60947 UL 60947-4-1 CSA File No.: 012528 IEC/EN 60204 CSA-C22.2 No. 60947-4-1-14 UL CSA VDE 0660 CSA Class No.: 3211-05 CE UL File No.: E36332 CSA-C22.2 No. 94 UL Category Control No.: NLRV
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	Emergency switching off function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	3
General information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
Degree of protection	NEMA 1
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	Branch circuits, suitable as motor disconnect, (UL/CSA) Front mounting 4-hole
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C

Ambient operating temperature - max	50 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30
cimedo p.comig	Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	1 x (2.5 - 35) mm², solid or stranded 14 - 2 AWG, solid or flexible with ferrule 1 x (1.5 - 25) mm², flexible with ferrules to DIN 46228 2 x (2.5 - 10) mm², solid or stranded 2 x (1.5 - 6) mm², flexible with ferrules to DIN 46228
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)	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 (le) at AC-3, 380 V, 400 V, 415 V	71 A
Rated operational current (le) at AC-3, 500 V	65 A
Rated operational current (le) at AC-3, 660 V, 690 V	23.8 A 100 A
Rated operational current (le) at AC-21, 440 V	
Rated operational current (le) at AC-23A, 230 V	100 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	100 A
Rated operational current (Ie) at AC-23A, 500 V	96 A
Rated operational current (Ie) 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.
	nateu aninterrupteu current iu is specineu iui ilidx. Cross-sectiuri.
Short-circuit rating  Rated conditional short-circuit current (Iq)	80 kA (Supply side)
	4 kA (Load 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	$2\times$ I# (with intermittent operation class 12, 25 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor)
Number of contacts in series at DC-23A, 24 V	1
Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC-23A, 60 V	2
Number of contacts in series at DC-23A, 120 V	3

Assigned mater power at 137/12 V, 56 Hz, 1-phase Assigned mater power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1-phase Assigned material power at 2002 W, 56 Hz, 1	Switching capacity (main contacts, general use)	100 A, If used with neutral conductor IU = max. 90 A, Rated uninterrupted current
Switching capacity you to 80 Y too pirt to ECCR 8080 73)  Rated making capacity you to 80 Y too pirt to ECCR 8080 73)  Policia per contact part in sente   College or contact part in sente   College or contact part in sente   Assigned mator power at 1131231 (50 Hz. 1-phase  Assigned mator power at 202088 (50 Hz. 2-phase  Assigned mator power at 202088 (50 Hz. 2-pha		
ABIOUT.SAI  Water making agaachy up no 1681 V (cas palm is ECIEN 1694-31)  Water ratio  Wildow ratio  Assigned motor process at 151/281 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 2002000 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68 Pc. 1-place  Assigned motor process at 200200 V 68		
Voltage per contact pair in series   08   V	Switching capacity (auxiliary contacts, pilot duty)	
Assigned motor power at 135/120 x, 50 Hz, 1-plase Assigned motor power at 2000/20 x, 50 Hz, 1-plase Assigned motor power at 2000/20 x, 50 Hz, 1-plase Assigned motor power at 2000/20 x, 50 Hz, 1-plase Assigned motor power at 2000/20 x, 50 Hz, 1-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Assigned motor power at 2000/20 x, 50 Hz, 2-plase Defects  Control circuit reliability  I failure per 180,000 sovitoling operations statistically determined, at 24 V DC, 10 Hz, 2-plase Control assigned per product control increases  Number of auxiliary controls increasing cleared carracts  Number of auxiliary controls increasing cleared vincreasing cleared vincreasing cleared vincreasing cleared v	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	950 A
Assigned motor power at 110/20 V. 60 kt., 1-phase Assigned motor power at 2002/20 V. 60 kt., 1-phase Assigned motor power at 2002/20 V. 60 kt., 1-phase Assigned motor power at 2002/20 V. 60 kt., 1-phase Assigned motor power at 2002/20 V. 60 kt., 3-phase Assigned motor power at 2002/20 V. 60 kt., 3-phase Assigned motor power at 2002/20 V. 60 kt., 3-phase Assigned motor power at 2002/20 V. 60 kt., 3-phase Assigned motor power at 2002/20 V. 60 kt., 3-phase Assigned motor power at 170/20 V. 60 k	Voltage per contact pair in series	60 V
Assigned motor power at 200008 V. 60 Hz. 1-phose Assigned motor power at 200008 V. 60 Hz. 1-phose Assigned motor power at 20024 V. 60 Hz. 3-phose Assigned motor power at 2002	Motor rating	
Assigned motar power at 2002/28 V, 50 Hz, Sphase Assigned motar power at 2002/28 V, 50 Hz, Sphase Assigned motar power at 2002/28 V, 50 Hz, Sphase Assigned motar power at 2002/28 V, 50 Hz, Sphase Assigned motar power at 4004/28 V, 50 Hz, Sphase Assigned motar power at 4004/28 V, 50 Hz, Sphase Assigned motar power at 4705/28 V, 50 Hz, Sphase Assigned Assigned Assigned Assigned A	Assigned motor power at 115/120 V, 60 Hz, 1-phase	5 HP
Assigned motor power at 200240 V, 60 Hz, 1-phase Assigned motor power at 200240 V, 60 Hz, 3-phase BHP Assigned motor power at 500400 V, 80 Hz, 3-phase BHP  Assigned motor power at 500400 V, 80 Hz, 3-phase BHP  Contral circuit reliability of enclosures Contral circuit standard's requirements. Contral circuit standard'	Assigned motor power at 200/208 V, 60 Hz, 1-phase	10 HP
Assigned motor power at 288/260 V, 68 Hz, 3-phase	Assigned motor power at 200/208 V, 60 Hz, 3-phase	20 HP
Assigned motor power at \$55,000 V, 60 Hz, 3-phase Assigned motor power at \$55,000 V, 60 Hz, 3-phase Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Actuator color  Actuator to dor  Actuator type  Coloria	Assigned motor power at 230/240 V, 60 Hz, 1-phase	15 HP
Assigned motor power at 579/500 V, 60 Hz, 3-phase  Central circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator Vpe  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation or property open open open open open open open open	Assigned motor power at 230/240 V, 60 Hz, 3-phase	25 HP
Contacts  Coerrol circuit reliability  Number of auxiliary centacts (change-over contacts)  Number of auxiliary centacts (normally closed contacts)  Number of auxiliary centacts (normally closed contacts)  Number of auxiliary centacts (normally closed contacts)  O  Actuator color  Actuator type  Door coupling rotary drive  Coesing verification  Equipment beat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation non-current-dependent Pvid  100 A  Static heat dissipation, non-current-dependent Pvid  101 A  Static heat dissipation non-current-dependent Pvid  102.3 I Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3 Verification of resistance of issuating materials to normal heat  102.3 Static insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  102.4 Standard's requirements.  102.5 Lifting  Ones not apply, since the entire switchger needs to be evaluated.  102.5 Incorporation of assembles  Meets the product standard's requirements.  Meets the product standard's requirements.  102.6 Meets the product standard's requirements.  Does not apply, since the entire switchger needs to be evaluated.  10.5 Transcritions  Meets the product standard's requirements.  10.5 Transcritions  Meets the product standard's requirements.  10.5 Transcritions of extering devices and components  10.5 Transcritions of entire switchger needs to be evaluated.  10.5 Transcritions of entire switchger needs to be evaluated.  10.6 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.6 Incorporation	Assigned motor power at 460/480 V, 60 Hz, 3-phase	60 HP
Control circuit reliability 1 failure per 100,000 avtiching operations statistically determined, at 24 V DC, 10 mA)  Number of auxiliary contacts (change-over contacts) 0  Number of auxiliary contacts (normally closed	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 open contacts)  Actuator  Actuator V  Bed  Door cauping ratary drive  Dov  Heat dissipation, current-dependent Pvd  T 5 W  Rated operational current for specified heat dissipation (n)  Static heat dissipation, current-dependent Pvs  DOV  Rated dispation, current-dependent Pvs  DOV  Meast dissipation, current-dependent Pvs  DOV  Meast dispation, current-dependent Pvs  DOV  Meast dispation and current repartments.  Do	Contacts	
Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Red  Actuator color  Actuator type  Door coupling rotary drive  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Per pole dissipation per pole, current-dependent Pvid  Rated operational current for specified hear dissipation (n)  State heat dissipation, non-current-dependent Pvid  Part dissipation, non-current-dependent Pvid  Rated operational current for specified hear dissipation (n)  State heat dissipation, non-current-dependent Pvid  Rated operational current for specified hear dissipation (n)  State heat dissipation, non-current-dependent Pvis  102.2 Corrosion resistance  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  102.3.1 Verification of resistance of insulating materials to normal heat  102.2.4 Resistance to ultra-violet (UV) radiation  102.4 Resistance to ultra-violet (UV) radiation  102.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.6 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  103.2 Degree of protection of assembles  Does not apply, since the entire switchgear needs to be evaluated.  104.1 Clearances and croepage 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 watching devices and components  107. Internal electrical circuits and connections  108. Connections for external conductors  109. Power-frequency electric strength  109. So apply, since the entire switchgear needs to be evaluated.  109. So apply, since the entire switchgear needs to be evaluated.  109. So apply, since the entire switchgear needs to be evaluated.  109. So apply, since the entire switc	Control circuit reliability	
Actuator of audiliary contacts (normally open contacts)  Actuator of Poesign verification  Equipment heat dissipation, current-dependent Pvid OW Heat dissipation of appacity of Pdiss OW Heat dissipation of probe, current-dependent Pvid OW Heat dissipation of probe, current-dependent Pvid OW Static heat dissipation of probe, current-dependent Pvid OW Static heat dissipation on current-dependent Pvid OW  10.2.2 Corrosion resistance  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Resist of insul. mat. to abnormal heat/file by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting Obes not apply, since the entire switchpear needs to be evaluated.  10.2.5 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  10.4 Clearances and croepage distances  10.5 Protection against electric shock  10.6 Inscriptions  Meets the product standard's requirements.  10.6 Protection against electric shock  10.6 Inscriptions  Meets the product standard's requirements.  10.8 Connections for external conductors  10.8 Degree of protection of assemblies  10.9 Protection against electric shock  10.9 Degree of protection of assemblies  10.1 Internal electrical circuits and connectio	Number of auxiliary contacts (change-over contacts)	0
Actuator color Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Head dissipation, capacity Pdiss OW Head 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) Static heat dissipation, non-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) Static heat dissipation, non-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) Static heat dissipation, non-current-dependent Pvid Rated departments.  102.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  102.2.2 Verification of thermal stability of enclosures Meets the product standard's requirements.  102.2.3 Resist on insul. mat. to abnormal heat/file by internal elect. effects Warrent to abnormal heat/file by internal elect. effects Warrent to apply, since the entire switchgear needs to be evaluated.  102.5 Internal inspect Does not apply, since the entire switchgear needs to be evaluated.  102.5 Internal electric of assemblies Does not apply, since the entire switchgear needs to be evaluated.  103.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated.  104.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  105.6 Noneroration of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  105.6 Noneroration of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  105.7 Internal electric al circuits and connections In the panel builder's	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  Reted operational current for specified heat dissipation (In)  Static heat dissipation per pole, current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Reted operational current for specified heat dissipation (In)  102.2 Corrosion resistance  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  UV resistance only in connection with protective shield.  Does not apply, since the entire switchgear needs to be evaluated.  102.5 Iffinig Does not apply, since the entire switchgear needs to be evaluated.  102.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  103.1 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  104.6 Clearances and creepage distances  Meets the product standard's requirements.  105.9 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  106.1 A Clearances and creepage distances  107. Internal electrical circuits and connections  108.1 Incorporation of switching devices and connections  109.1 Internal electrical circuits and connections  109.2 Power-frequency electric strength  109.3 Impulse withstand voltage  109.4 Testing of encl	Number of auxiliary contacts (normally open contacts)	0
Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Reted operational current for specified heat dissipation (in)  Static heat dissipation, non-current-dependent Pvis  Neted operational current for specified heat dissipation (in)  Static heat dissipation, non-current-dependent Pvs  OW  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.  Meets the product standard's requirements.  102.3.2 Nerification of thermal stability of enclosures  Meets the product standard's requirements.  102.3.3 Resists, of insul, mat to abnormal heat/fire by internal elect. effects  102.4 Resistance to ultra-violat (UV) radiation  102.5 Uting  Does not apply, since the entire switchgear needs to be evaluated.  102.6 Nechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  103.0 logree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  104.1 Clearances and creepage distances  Meets the product standard's requirements.  105. Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  106. Incorporation of switching devices and components  107. Internal electrical circuits and connections  Is the panel builder's responsibility.  108. Connections for external conductors  Is the panel builder's responsibility.  109. 2 Power-frequency electric strength  Is the panel builder's responsibility.  109. 1 Internal electric strength  Is the panel builder's responsibility.  109. 1 Internal electric strength  Is the panel builder's responsibility.  109. 1 Internal electric strength  Is the panel builder's responsibility.  109. 1 Internal percentage made of insulating material  109. 1 Internal percentage made of insulating material  109. 1 Internal percentage made of insulating mate	Actuator	
Equipment heat dissipation, current-dependent Pvid Heat dissipation, par 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) Static heat dissipation, non-current-dependent Pvis  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-violet (UV) radiation  10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated.  10.27 Inscriptions Meets the product standard's requirements.  10.28 operation of switchgear needs to be evaluated.  10.29 gree 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 switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections Is the panel builder's responsibility.  10.8 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.  10.9 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.  10.9 Temperature rise The panel builder's responsibility.  10.9 Temperature rise The panel builder's responsibility.  10.9 Temperature rise The panel builder's responsibility.  10.10 Temperature rise The panel builder's r	Actuator color	Red
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.  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  102.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  We resistance only in connection with protective shield.  102.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  103 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  104 Clearances and creepage distances  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  105 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  106 Incorporation of switching devices and components  107 Internal electrical circuits and connections  Is the panel builder's responsibility.  108 Connections for external conductors  Is the panel builder's responsibility.  109.4 Testing of enclosures made of insulating material  109.5 Testing of enclosures made of insulating material  109.6 Testing of enclosures made of insulating material  109.7 Testing of enclosures mad	Actuator type	Door coupling rotary drive
Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  7.5 W  Rated operational current for specified heat dissipation (In)  100 A  Static heat dissipation, non-current-dependent Pvs  0 W  10.22 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  Meets the product standard's requirements.  102.4 Resistance to ultra-violet (UV) radiation  UV resistance only in connection with protective shield.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.1 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 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's responsibility.  10.11 Short-circuit rating  Lis the panel builder's responsibility.  10.11 Short-circuit rating  Lis 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	Design verification	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs  10.2.2 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  10.2.3.2 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  10.2.5 Mechanical impact  10.2.5 Inscriptions  10.2.6 Meets the product standard's requirements.  10.3 Degree of protection of assemblies  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 components  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Internal electrical circuits and connections  10.9 Internal electrical circuits and connections  10.9 Internal electrical circuits and components  10.9 Power-frequency electric strength  10.9 Power-frequency electric strength  10.9 Internal electrical circuits and connections  10.9 Internal electrical circuits and components  10.9 Power-frequency electric strength  10.9 Internal electrical circuits and connections  10.9 Internal electrical	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 esistance 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 Machanical 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  10.9.4 Testing of enclosures made of insulating material  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 be 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  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.  10.2.7 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  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 be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Heat dissipation per pole, current-dependent Pvid	7.5 W
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 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 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 In panel builder's responsibility. 10.9 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 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 Protection agents and compatibility 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 the panel builder's responsibility. 10.19 The panel builder's responsibility. 10.20 Power-frequency electric strength 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 Electromagnetic compatibility 10.16 Internal Electric treatments and connections of the switchgear must be observed. 10.17 Electromagnetic compatibility 10.18 Electromagnetic compatibility 10.19 Electromagnetic compatibility 10.10 Temperature rise 10.11 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Electromagnetic the requirements in the instruction	Rated operational current for specified heat dissipation (In)	100 A
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  10.3.0 Begree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  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 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  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.  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.  10.6 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  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Is the panel builder's responsibility.  10.92 Power-frequency electric strength  Is 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	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 10.2.6 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 10.9.4 Testing of enclosures made of insulating material 10.9.4 Testing of enclosures made of insulating material 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 Internal electrical circuits and connections 10.9 Power-frequency electric strength 10.9 Internal electric strength 10.9 Internal electric strength 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 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 Mechanical function 10.19 Meets the product standard's requirements. 10.25 Lifting 10.25 Lifting 10.25 Lifting 10.25 Lifting 10.25 Lifting 10.26 Meets the product standard's requirements. 10.27 Lifting 10.26 Meets the product standard's requirements. 10.27 Lifting 10.28 Lifting 10.29 Li	10.2.2 Corrosion resistance	Meets the product standard's requirements.
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.  10.9.2 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. The specifications for the switchgear must be observed.  10.11 Short-circuit rating  List the panel builder's responsibility. The specifications for the switchgear must be 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  UV resistance only in connection with protective shield.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 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.  10.10 Temperature rise  Is the panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	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.  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  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 must be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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  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  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	10.2.4 Resistance to ultra-violet (UV) radiation	UV resistance only in connection with protective shield.
10.27 Inscriptions  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  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.  10.9.1 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.2 Fower-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. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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.  10.9.1 Power-frequency electric strength Is the panel builder's responsibility.  10.9.2 Fower-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. The specifications for the switchgear must bubserved.  10.12 Electromagnetic compatibility 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  10.9.2 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.  10 the panel builder's responsibility.  11 sthe panel builder's responsibility.  12 sthe panel builder's responsibility.  13 sthe panel builder is responsibility.  14 sthe panel builder is responsibility.  15 the panel builder is responsibility.  16 sthe panel builder is responsibility.  17 seponsibility. The specifications for the switchgear must be observed.  18 the panel builder's responsibility. The specifications for the switchgear must be observed.  19 sthe panel builder's responsibility. The specifications for the switchgear must be observed.  10 sthe panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.7 Inscriptions	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  10.9.2 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  Does not apply, since the entire switchgear needs to be evaluated.  10 be evaluated.  10 be evaluated.  10 the panel builder's responsibility.  11 sthe panel builder's responsibility.  12 sthe panel builder's responsibility.  13 the panel builder's responsibility.  14 the panel builder's responsibility.  15 the panel builder's responsibility.  16 the panel builder's responsibility.  17 the panel builder's responsibility. The specifications for the switchgear must be observed.  18 the panel builder's responsibility. The specifications for the switchgear must be observed.  19 the panel builder's responsibility. The specifications for the switchgear must be observed.  10 the panel builder's responsibility. The specifications for the switchgear must be observed.  19 the panel builder's responsibility. The specifications for the switchgear must be observed.	10.3 Degree of protection of assemblies	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  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  10.14 Mechanical function  10.15 Internal electrical circuits and connections  10.16 Is the panel builder's responsibility.  10.17 Is the panel builder's responsibility.  10.18 Is the panel builder's responsibility.  10.19 Temperature rise  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 be observed.  10.15 Internal electrical circuits and connections  10.16 Internal electrical circuits and connections  10.17 Internal electrical einclustion of the evaluation.  10.18 Internal builder's responsibility.  10.19 Internal electrical circuits and connections  10.10 Internal electrical circuits and connections  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Internal electrical function  10.15 Internal electrical einclustion in the instruction of the switchgear must be observed.  10.19 Internal electrical einclustion in the instruction of the switchgear must be observed.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
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  10.13 Mechanical function  10.14 Short-circuits and connections  10.15 the panel builder's responsibility.  10.16 Is the panel builder's responsibility.  10.17 The panel builder is responsibility.  10.18 Short-circuit rating  10.19 Electromagnetic compatibility  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Short-circuits and connections  10.15 the panel builder's responsibility. The specifications for the switchgear must be observed.  10.19 The device meets the requirements, provided the information in the instruction	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  10.14 Short-circuit ration  10.15 The panel builder's responsibility. The specifications for the switchgear must be observed.  10.15 The panel builder's responsibility. The specifications for the switchgear must be observed.  10.16 The panel builder's responsibility. The specifications for the switchgear must be observed.  10.17 Mechanical function  10.18 Mechanical function  10.19 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.
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'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	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  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 be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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 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 be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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 be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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 be observed.  10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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 be 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	
	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 Yes 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 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 IP65 Degree of protection (IP), front side Degree of protection (NEMA)

Width

Height

Depth

Width in number of modular spacings

90

90

130

mm

mm

mm