## On-Off switch, 3 pole, 25 A, surface mounting



Part no. P1-25/I2 207299

EL Number 1456104

(Norway)

General specifications	
Product name	Eaton Moeller® series P1 On-Off switch
Part no.	P1-25/I2
EAN	4015082072995
Product Length/Depth	107 millimetre
Product height	180 millimetre
Product width	100 millimetre
Product weight	0.43 kilogram
Certifications	VDE 0660 IEC/EN 60947-3 UL IEC/EN 60204 CSA IEC/EN 60947 UL CSA
Product Tradename	P1
Product Type	On-Off switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Fitted with:	Black thumb grip and front plate
Number of poles	3
General information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	300,000 Operations
Mounting method	Surface 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	Ground mounting
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	1 x (1.5 - 6) mm <sup>2</sup> , solid or stranded 2 x (1.5 - 6) mm <sup>2</sup> , solid or stranded 1 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 14 - 8 AWG, solid or flexible with ferrule

Screw size	M4, Terminal screw
Tightening torque	14.1 lb-in, Screw terminals 1.6 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	190 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	150 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	170 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	150 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	19.6 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	15.2 A
Rated operational current (Ie) at AC-3, 500 V	12.1 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	8.8 A
Rated operational current (Ie) at AC-21, 440 V	25 A
Rated operational current (Ie) at AC-23A, 230 V	25 A
Rated operational current (le) at AC-23A, 400 V, 415 V	25 A
Rated operational current (le) at AC-23A, 500 V	17.4 A
Rated operational current (le) at AC-23A, 690 V	12.6 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	25 A
Rated operational current (Ie) at DC-23A, 24 V	25 A
Rated operational current (Ie) at DC-23A, 48 V	25 A
Rated operational current (le) at DC-23A, 60 V	25 A
Rated operational current (le) at DC-23A, 120 V	12 A
Rated operational power at AC-3, 380/400 V, 50 Hz	7.5 kW
Rated operational power at AC-3, 415 V, 50 Hz	7.5 kW
Rated operational power at AC-3, 500 V, 50 Hz	7.5 kW
Rated operational power at AC-3, 690 V, 50 Hz	7.5 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	5.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	13 kW
Rated operational power at AC-23A, 500 V, 50 Hz	11 kW
Rated operational power at AC-23A, 690 V, 50 Hz	11 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	25 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	80 kA
Rated short-time withstand current (Icw)	640 A, Contacts, 1 second 0.64 kA
Short-circuit current rating (basic rating)	5 kA, SCCR (UL/CSA) 110A, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault)	50 A, Class J, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
Short-circuit protection rating	25 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	2 x l# (with intermittent operation class 12, 25 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor)
Number of contacts in series at DC-23A, 24 V	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
Switching capacity (main contacts, general use)	20 A, Rated uninterrupted current max. (UL/CSA)
Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	A600 (UL/CSA) P600 (UL/CSA)
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	240 A
Voltage per contact pair in series	60 V
Motor rating	

Control circuit reliability  1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally closed contacts)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator color  Actuator type  Short thumb-grip		
Assigned motor power at 2000/200 V, 50 Hz, 5-phase Assigned motor power at 2000/200 V, 50 Hz, 5-phase Assigned motor power at 2000/200 V, 50 Hz, 5-phase Assigned motor power at 2000/200 V, 50 Hz, 5-phase Assigned motor power at 400/400 V, 50 Hz, 5-phase Assigned motor power at 400/400 V, 50 Hz, 5-phase Assigned motor power at 400/400 V, 50 Hz, 5-phase  Control circuit reliability  Library power 100,000 switching operations statistically determined, at 24 V DC, 10 mA/V  Number of auxiliary centracts (change over centracts)  Actuator  Actuator  Actuator  Actuator  Black  Actuatory  Design verification  Equipment hast dissipation, current-dependent Pvid  1.1 W  Hast dissipation capacity Pridis  Rate dissipation pay pois, current-dependent Pvid  1.1 W  Rate dissipation pay pois, current-dependent Pvid  1.1 W  Rate dissipation pay pois, current-dependent Pvid  1.2 Z Verrication or existance of invalidation and arisistance in library and actuation of very dependent Pvid  10.2.3 Verrication or disstance of invalidation materials to normal heat  10.2.3 Verrication or disstance or invalidation materials to normal heat  10.2.3 Verrication or disstance or invalidation materials to normal heat  10.2.3 Tensistance or buttra-valled (LVI) reduction  10.2.5 Mechanical impact  10.2.6 Mechanical impact  10.2.6 Designed and central conductors  10.4 Designed or advanced or advanced product standard is requirements.  10.5 Percention as and creepage distances  10.6 Designed or advanced or advanced in the seventials of a requirements.  10.6 Designed or advanced or advanced or advanced in the seventials of a requirements.  10.6 Designed or advanced	Assigned motor power at 115/120 V, 60 Hz, 1-phase	1 HP
Assigned motor prover at 200,240 V, 66 It J. 1-phase Assigned motor prover at 200,240 V, 66 It J. 2-phase Assigned motor prover at 200,240 V, 66 It J. 2-phase Assigned motor prover at 200,240 V, 66 It J. 2-phase  Control circuit reliability Control circuit reliability Number of auxiliary contracts (brange-over centracts) Number of auxiliary contracts (brange-over centra	Assigned motor power at 200/208 V, 60 Hz, 1-phase	2 HP
Assigned mater power at 2007-20 V, 50 Hz, 3-phase Assigned mater power at 2007-20 V, 50 Hz, 3-phase 10 HP  Contacts  Corroc circuit reliability Number of auxiliary contacts (change over contacts)  Actuator  Actuator  Change over over over over over over over ove	Assigned motor power at 200/208 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 90X480 V, 60 Hz, 3-phase  Assigned motor power at 90X480 V, 60 Hz, 3-phase  Contacts  Contacts  Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Actuator  Actuator  Actuator color  Actuator vive  Actuator color  Actuator type  Design verification  Equipment have dissipation, current-dependent Pvid  Hard dissipation, current-dependent Pvid  Hard dissipation per pole, current-dependent Pvid  Hard dissipation per pole, current-dependent Pvid  Hard dissipation or problem and the state of the state of a requirements.  102.23 Verification of resistance of insulating materials to normal heat  102.23 Verification of resistance of insulating materials to normal heat  102.23 Verification of resistance of insulating materials to normal heat  102.23 Verification of resistance of insulating materials to normal heat  102.23 Verification of resistance of insulating materials to normal heat  102.24 Design of product standard's requirements.  102.25 Uffing  Des not apply, since the entire switthgear needs to be evaluated.  102.26 Uniting  Des not apply, since the entire switthgear needs to be evaluated.  102.27 Inscriptions  102.28 Insurance of creation and creating distances  102.29 Lifting  Des not apply, since the entire switthgear needs to be evaluated.  102.30 Degree of protection of assemblies  102.40 Des not apply, since the entire switthgear needs to be evaluated.  102.51 Unitary distance of creating additiones  102.61 Des not apply, since the entire switthgear needs to be evaluated.  102.71 Inscriptions  102.71 Inscriptions  102.72 Inscriptions  102.73 Inscriptions  103.74 Des not apply, since the entire switthgear needs to be evaluated.  103.85 Inscriptions of certains of mobility and service and compenents  103.85 Inscriptions of certains of mobility an	Assigned motor power at 230/240 V, 60 Hz, 1-phase	3 HP
Assigned motor power at 575'000 V, 60 Hz, Sphase  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)  Number of auxiliary contacts (normally open contacts)  Actuator  Actuator  Actuator  Actuator  Black  Actuator pp  Design verification  Equipment heat dissipation, current-dependent Pvid  1.1 W  Heat dissipation per pole, current-dependent Pvid  1.1 W  Rated operational current for specified heat dissipation (In)  25 A  Static heat dissipation, non-current-dependent Pvis  10.22 Controlor resistance  Meets the product standard's requirements.  10.23.2 Verification of desiration of dissipation display of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Peasis of insul, must to abnormal heat/file by internal elect effects  10.2.4 Resistance to ultra-violet (UV) rediation  10.2.5 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 Dechanical impact  10.2.9 Protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  10.2.6 Protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 Dechanical impact  10.2.9 Protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  10.2.1 Internal electric dock  Does not apply, since the entire switchpear needs to be evaluated.  10.2.2 Inscriptions  10.3 Degree of protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  10.4 Circuit and electric shock  Does not apply, since the entire switchpear needs to be evaluated.  10.5 Internal electric stored and components  10.6 Degree of protection of evaluation and components  10.7 Internal electric at requirements.  10.8 Teaching	Assigned motor power at 230/240 V, 60 Hz, 3-phase	5 HP
Contracts  Control circuit reliability  I failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mAl  Number of auxiliary contacts (change-over contacts)  0 Number of auxiliary contacts (normally closed contacts)  Actuator  Actuator coinr  Actuator type  Black  Actuator type  Short thumb-grip  Black  Short thumb-grip  Black  Control circuit reliability  Actuator type  Besign verification  Equipment have dissipation, current-dependent Pvid  1.1 W  Heat dissipation capacity Pdiss  0 W  Heat dissipation per pole, current-dependent Pvid  1.1 W  Rated operational current for specified have dissipation (in)  25 A  Static heat dissipation, non-current-dependent Pvid  1.2.2 Vordicionion of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Static heat dissipation, non-current-dependent Pvid  10.2.4 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Static finant, mat, to abnormal heat(fire by internal elect, effects)  10.2.4 Verification of resistance of insulating materials to normal heat  10.2.5 Lifting  10.2.5 Inting  10.2.5 Exciptions  Meets the product standard's requirements.  10.2.6 Internal electric strong the entire switchepear needs to be evaluated.  10.2.7 Internal electric strong the entire switchepear needs to be evaluated.  10.2.8 Internal electric shock  Does not apply, since the entire switchepear needs to be evaluated.  10.1 Internal electric shock  Does not apply, since the entire switchepear needs to be evaluated.  10.2 Internal electric shock  Does not apply, since the entire switchepear needs to be evaluated.  10.3 Internal electric shock  Does not apply, since the entire switchepear needs to be evaluated.  10.4 Deterricae and creepape distances  Meets the product standard'	Assigned motor power at 460/480 V, 60 Hz, 3-phase	10 HP
Control circuit reliability  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (change-over contacts)  Number of auxiliary contacts (normally clesed contacts)  Number of auxiliary contacts (normally epen contacts)  Actuator  Actuator  Actuator  Actuator type  Cesign verification  Equipment heard dissipation, current-dependent Pvid  Heat dissipation or apport, Pcias  OW  Heat dissipation or pen pole, current-dependent Pvid  Static heat dissipation on-current-dependent Pvid  11. W  Reat dissipation on-current-dependent Pvid  10.2.2 Corrosion resistance  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Static heat dissipation, on-current-dependent Pvid  10.2.2 Corrosion resistance  10.2.3 Verification of resistance in situating materials to normal heat  10.2.3 Static heat dissipation on on-current for specified heat flies private to the value of the product standard's requirements.  10.2.3 Verification of resistance in situating materials to normal heat  10.2.3 Protection of static or insulating materials to normal heat  10.2.3 Protection of static or insulating materials to normal heat  10.2.4 Estification of thermal stability of enclosures  10.2.5 Estification  10.2 Reclamatical impact  10.2 Reclamatical impact  10.2 Reclamatical impact  10.2 Reclamatical impact  10.3 Departed of protection of assemblies  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.3 Departed of protection of assemblies  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Dese not apply, since the entire switchpear needs to be evaluated.  10.7 Internal electric circuits and components  10.8 Desenot apply, since the entire switchpear needs to be evaluated.  10.9 Desenot apply, since the entire switchpear needs to be evaluated.  10.1 Internal electric circuits and components  10.2 Desenot apply, since the entire	Assigned motor power at 575/600 V, 60 Hz, 3-phase	15 HP
mA) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open centacts)  Actuator  Actuator	Contacts	
Number of audilary contacts (normally closed contacts)  Number of audilary contacts (normally open contacts)  Actuator  Black  Actuator spe  Besign verification  Equipment heat dissipation, current-dependent Pvid  Hot of dissipation capacity Pdiss  Read operational current for specified heat dissipation (liver and dissipation)  Read dissipation capacity Pdiss  OW  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperational current for specified heat dissipation (liver and dissipation)  Rated deperation of current for specified heat dissipation (liver and dissipation)  Rated deperation of resistance of insulation and dissipation (liver and dissipation)  Read specification of resistance of insulation and lead of the product standard is requirements.  Read specified on free standard of requirements.  Read specified on free switchgear needs to be evaluated.  Read specified on this evolution of dependent product standard is requirements.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be evaluated.  Read specified on the entire switchgear needs to be e	Control circuit reliability	· · · · · · · · · · · · · · · · · · ·
Actuator Black Actuator Color Actuator color Black Actuator type Short shumb-grip  Design verification  Equipment heat dissipation, current-dependent Pvid 1.1 W  Heat dissipation capacity Pdiss 0 W  Retact dissipation current dependent Pvid 1.1 W  Heat dissipation current dependent Pvid 1.1 W  Retact dissipation current dependent Pvid 1.1 W  Static heat dissipation current dependent Pvid 1.1 W  Static heat dissipation current dependent Pvid 1.1 W  Static heat dissipation non-current-dependent Pvid 1.2 Zorrosion resistance 0 W  10.2 Zorrosion resistance 1.2 A Verification of thermal stability of enclosures 1.2 A Verification of thermal stability of enclosures 1.2 A Verification of thermal stability of enclosures 1.2 A Verification of resistance of insulating materials to normal heat 1.2 Meets the product standard's requirements. 1.2 A Resistance to ultra-violet (UV) radiation 1.2 Desentation of the product standard's requirements. 1.2 A Resistance to ultra-violet (UV) radiation 1.2 Desentation of the product standard's requirements. 1.2 A Resistance to ultra-violet (UV) radiation 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of a product standard's requirements. 1.2 A Resistance to ultra-violet (UV) radiation 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.2 Desentation of apply, since the enfire switchgear needs to be evaluated. 1.3 Desentation of the deservation of a special product standard's requirements. 1.3 Desentation of the deservation of the switchgear needs to be evaluated. 1.3 Desentation of the switchgear needs to be evaluated. 1.3 Desentation of the deservation of the switchgear needs to be evaluated. 1.3 Desentation of	Number of auxiliary contacts (change-over contacts)	0
Actuator color Actuator rype  Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation capacity Pdias  OW  Heat dissipation per pole, current-dependent Pvid Rated operational current for specified that dissipation (II) Static heat dissipation, non-current-dependent Pvid Rated operational current for specified that dissipation (II) Static heat dissipation, non-current-dependent Pvid  10.22 Corrosion resistance  Meats the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.23.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.24 Resistance to ultra-violet (UV) radiation  10.25 Ilfining Does not apply, since the entire switchgear needs to be evaluated.  10.27 Inscriptions Meets the product standard's requirements.  10.28 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated.  10.27 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 Dearnoses and croepage 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 Power-frequency electric strength Is the panel builder's responsibility.  10.9 Power-frequency electric strength Is the panel builder's responsibility.  10.9 Internal electrical circuits and connections Is the panel builder's responsibility.  10.1 Short-circuit resing In the panel builder's responsibility.  10.1 Short-circuit resing In the panel builder	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 Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation ner 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 Pvi  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 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 Litting  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 Inscription of switching devices and components  10.8 Connections for external conductors  10.9 Inscription of switching devices and components  10.9 Protection against electric shock  10.9 Inscription of external conductors  10.9 Inscr	Number of auxiliary contacts (normally open contacts)	0
Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pfels  Wet dissipation per pole, current-dependent Pvid  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  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  10.2.3.2 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 Meets the product standard's requirements.  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.8 General of protection of assemblies  10.9 Dees not apply, since the entire switchgear needs to be evaluated.  10.9 Protection against electric shock  10.9 Prover-frequency electric strength  10.8 Connections for external conductors  10.9 Protection against electric shock  10.9 Power-frequency electric strength  10.1 Therapel builder's responsibility.  10.2 Electromagnatic compability  10.3 Hermal electric shock  10.1 Short-circuit rating  10.1 Electromagnatic compability  10.2 Electromagnatic compability  10.3 Meets the panel builder's responsibility.  10.4 Electromagnatic in the intersuction of the twinchipacer must be observed.	Actuator	
Design verification  Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity. Pdiss 0 0W Heat dissipation capacity. Pdiss 1.1 W Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid 10.22 Corrosion resistance 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Weets the product standard's requirements. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 Weets the product standard's requirements. 0 Does not apply, since the entire switchgear needs to be evaluated. 0 In Internal electric elicitudes and components 0 Does not apply, since the entire switchgear needs to be evaluated. 0 In Internal electric elicitu	Actuator color	Black
Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of tresistance 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  10.26 Mechanical impact  10.27 Inscriptions  10.28 Alexance to a protection of assemblies  10.3 Degree of protection of assemblies  10.4 Glearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.7 Internal electrical circuits and connections  10.8 Comnections for external conductors  10.9 Power-frequency electric strength  10.9 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.10 Temperature rise  10.11 Short-circuit rating  10.13 Mechanical function  10.14 Mechanical function  10.15 Mechanical function  10.16 Incorporation of switching material  10.17 Internal electrical circuits and connections  10.18 Internal electrical circuits and connections  10.19 Temperature rise  10.10 Temperature rise  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 Mechanical function  10.17 Mechanical function  10.18 Mechanical function  10.19 Mechanical function  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function	Actuator type	Short thumb-grip
Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  25 A  Static heat dissipation, non-current-dependent Pvs  10.22 Corrosin 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  10.25 Lifting  10.26 Mechanical impact  10.27 Inscriptions  Meets the product standard's requirements.  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 electric shock  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 Power-frequency electric strength  10.1 Stating of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  The panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  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.	Design verification	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0W  10.22 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 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 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Segree of protection of assemblies 10.3.0 Segree of protection of assemblies 10.3.1 Segree of protection of assemblies 10.4.1 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 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 10.10 Temperature rise 10.11 Short-circuit rating 10.10 Temperature rise 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Protection against electric strength 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 the panel builder's responsibility. 10.19 Temperature rise 10.19 Internal electrical circuits and connections 11.15 the panel builder's responsibility. 12.16 Internal electrical circuits and connections 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. 18. The panel builder's responsibility. 18. The panel builder's responsibility. The specifications for the switchgear must be observed. 19. The dev	Equipment heat dissipation, current-dependent Pvid	1.1 W
Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  OW  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  Meets the product standard's requirements.  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-violat (IV) radiation  UV resistance only in connection with protective shield.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 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.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 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  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 Resists. 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 Lifting  10.2.6 Mehanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.13 Mechanical function  10.13 Mechanical function  10.10 Temperature circuits and connections for the switchgear needs to be evaluated.  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 Lift panel builder's responsibility.  10.16 The panel builder's responsibility.  10.17 The panel builder's responsibility.  10.18 The panel builder's responsibility.  10.19 The panel builder's responsibility.  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 Meets the product standard's requirements.  10.17 Meets the product standard's requirements.  10.18 Meets the product standard's requirements.  10.19 Meets the product standard's requirements.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Meets the product standard's requirements.  10.15 Meets the product standard's requirements.  10.16 Meets the product standard's r	Heat dissipation per pole, current-dependent Pvid	1.1 W
10.2.2 Corrosion resistance  10.2.3 I Verification of thermal stability of enclosures  10.2.3 I Verification of thermal stability of enclosures  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 Does not apply, since the entire switchgaar needs to be evaluated.  10.3 Does not apply, since the entire switchgaar needs to be evaluated.  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.6 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  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 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 against electric strength  10.16 Incorporation of switchgaar needs to be evaluated.  10.7 Internal electrical circuits and connections  10.8 Legendary, since the entire switchgaar needs to be evaluated.  10.9 Power-frequency electric electric strength  10.10 Temperature rise periodic strength  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Short-circuit rating  10.13 Mechanical function  10.14 Electromagnetic compatibility  10.15 He device meets the requirements, provided the information in the instruction	Rated operational current for specified heat dissipation (In)	25 A
10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 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 10.3.2 Gere of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 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 10.9.2 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	Static heat dissipation, non-current-dependent Pvs	0 W
10.2.32 Verification of resistance of insulating materials to normal heat 10.2.33 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 10.2.7 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 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Bis the panel builder's responsibility. 10.9.2 Power-frequency electric strength 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 Meets the product standard's requirements. 10.2 Power-frequency electric strength 10.14 Step panel builder's responsibility. 10.15 The panel builder's responsibility. 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 11.18 Internal electrical circuits and connections 12.18 the panel builder's responsibility. 13.19 The panel builder's responsibility. 14.19 The panel builder's responsibility. 15.20 The panel builder's responsibility. 15.30 The panel builder's responsibility. 16.40 The panel builder's responsibility. The specifications for the switchgear must be observed. 10.11 Short-circuit rating 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 The device meets the requirements, provided the information in the instruction	10.2.2 Corrosion resistance	Meets the product standard's requirements.
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  10.4 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 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	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 Liffing  10.2.6 Mechanical impact  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  10.6 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 Strenge of enclosures made of insulating material  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  10.14 Cevice meets the requirements,  10.15 Protection against electric shock  10.16 Incorporation of switching devices and components  10.17 Internal electrical circuits and connections  10.18 Connections for external conductors  10.19 Electromagnetic compatibility.  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Revice 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.  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  Is the panel builder is responsibility.  10.10 Temperature rise  The panel builder is responsibility. The specifications for the switchgear must be observed.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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.
10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  10.4 Clearances and 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.  10.11 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	10.2.4 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  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 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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  In panel builder's responsibility. The specifications for the switchgear must be observed.  In 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.
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 Power-frequency electric strength  10.9.1 Team of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  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 provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.	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 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.  10.5 Des not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be 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  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 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 is responsibility.  14 sthe panel builder is responsibility.  15 the panel builder is responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  15 the panel builder's responsibility. The specifications for the switchgear must be observed.  16 the panel builder's responsibility. The specifications for the switchgear must be observed.  17 The device meets the requirements, provided the information in the instruction	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  10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  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.  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  1s the panel builder is responsibility.  1s the panel builder is responsibility.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.	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  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsibility is responsibility.  Is the panel builder is responsibility.  The panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be 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  Is the panel builder's responsibility.  Is the panel builder is responsibility.  The panel builder is 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  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  Is the panel builder's responsibility.  The panel builder is responsibile 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 be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be 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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  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	
	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])

[AKF060018])	
Version as main switch	No
Version as maintenance-/service switch	No
Version as safety switch	No
Version as emergency stop installation	No
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	25
Rated permanent current at AC-23, 400 V	Α	25
Rated permanent current at AC-21, 400 V	Α	25
Rated operation power at AC-3, 400 V	kW	7.5
Rated short-time withstand current lcw	kA	0.64
Rated operation power at AC-23, 400 V	kW	13
Switching power at 400 V	kW	13
Conditioned rated short-circuit current Iq	kA	80
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		Complete device in housing
Suitable for floor mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		No
Colour control element		Black
Type of control element		Short thumb-grip
Interlockable		No
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	100
Height	mm	180
Depth	mm	107
Width in number of modular spacings		