DATASHEET - P3-63/EA/SVB/HI11

Main switch, P3, 63 A, flush mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



Part no.	P3-63/EA/SVB/HI11
	019891
EL Number	1417016
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/EA/SVB/HI11
EAN	4015080198918
Product Length/Depth	128 millimetre
Product height	102 millimetre
Product width	87 millimetre
Product weight	0.466 kilogram
Certifications	CSA Class No.: 3211-05 CSA IEC/EN 60204 CSA File No.: 012528 UL 60947-4-1 IEC/EN 60947-3 UL Category Control No.: NLRV CE VDE 0660 CSA-C22.2 No. 94 CSA-C22.2 No. 60947-4-1-14 UL File No.: E36332 IEC/EN 60947 UL
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 emergency stop installation Version as maintenance-/service switch
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	Three-pole
General information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 Operations
Mounting method	Flush mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III 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	Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C

Ambient operating temperature - may	50 °C
Ambient operating temperature - max	-25 °C
Ambient operating temperature (enclosed) - min	
Ambient operating temperature (enclosed) - max Climatic proofing	40 °C Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	14 - 2 AWG, solid or flexible with ferrule 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228 2 x (2.5 - 10) mm ² , solid or stranded 2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 1 x (2.5 - 35) mm ² , solid or stranded
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	640 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	600 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	590 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	51 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	55 A
Rated operational current (Ie) at AC-3, 500 V	44 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	22.1 A
Rated operational current (Ie) at AC-21, 440 V	63 A
Rated operational current (Ie) at AC-23A, 230 V	63 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	63 A
Rated operational current (Ie) at AC-23A, 500 V	63 A
Rated operational current (Ie) at AC-23A, 690 V	63 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (le) at DC-23A, 24 V	50 A
Rated operational current (le) at DC-23A, 48 V	50 A
Rated operational current (le) at DC-23A, 40 V	50 A
	25 A
Rated operational current (le) at DC-23A, 120 V	30 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 690 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (lu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	4 kA (Load side) 100 kA (Supply side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 150A, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating	80 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	1.3 x I# (with intermittent operation class 12, 60 % duty factor) 2 x I# (with intermittent operation class 12, 25 % 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 motor power at 115/120 V, 60 Hz, 1-phase F 3 HP Assigned motor power at 200/208 V, 60 Hz, 1-phase 5 HP Assigned motor power at 200/208 V, 60 Hz, 1-phase 10 HP Assigned motor power at 200/208 V, 60 Hz, 1-phase 10 HP Assigned motor power at 200/208 V, 60 Hz, 1-phase 10 HP Assigned motor power at 200/208 V, 60 Hz, 1-phase 10 HP Assigned motor power at 200/208 V, 60 Hz, 3-phase 40 HP Assigned motor power at 60/480 V, 60 Hz, 3-phase 40 HP Assigned motor power at 575/600 V, 60 Hz, 3-phase 40 HP Control crouit reliability 0 HP Number of auxiliary contacts (change-over contacts) Mainer of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) In alure per 100,000 switching operations statistically determined, at 24 V DC, 10 Number of auxiliary contacts (normally closed contacts) In alure per 100,000 switching operations statistically determined, at 24 V DC, 10 Number of auxiliary contacts (normally closed contacts) In alure per 100,000 switching operations statistically determined, at 24 V DC, 10 Number of auxiliary contacts (normally closed contacts) In alure per 100,000 switching operations statistically determined, at 24 V DC, 10 Actuator color In alure per 100,000 sw		
Subbing capacity (subling contact, plus capaci	Switching capacity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)
Rest while index (Section 2007) Section 2007 Water strains Section 2007 Water strains Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 3100000 (MH b1, splase) Section 2007 Assign from prover 310000 (MH b1, splase) Section 2007 Assign from prover 310000 (MH b1, splase) Section 2007 Contral circle disabley Section 2007 Index of anticity contrals (Section 2007) Section 2007 Assign from prover 31000000000000000000000000000000000000	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Water per anscription BV Meter ating BV Assigned noter power at 100000000000000000000000000000000000	Switching capacity (auxiliary contacts, pilot duty)	
Net or stringImage: String	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	800 A
Assigned mater power at 15020 V, 50 bit, 1-phase P SPP Assigned mater power at 20020 V, 50 bit, 1-phase P PAP Assigned mater power at 20020 V, 50 bit, 1-phase P P Assigned mater power at 20020 V, 50 bit, 1-phase P P Assigned mater power at 20020 V, 50 bit, 2-phase P P Assigned mater power at 20020 V, 50 bit, 2-phase P P Assigned mater power at 20020 V, 50 bit, 2-phase P P Assigned mater power at 20020 V, 50 bit, 2-phase P P Control cional materiality contracts (brandp-our contracts) P P Number of anality contracts (brandp-our contracts) P P P Assigned mater power at 20020 V, 50 bit, 2-phase P P P Assigned mater power at 20020 V, 50 bit, 2-phase P P P Assigned mater power at 20020 V, 50 bit, 2-phase P P P Assigned mater power at 20020 V, 50 bit, 2-phase P P P Assigned mater power at 20020 V, 50 bit, 2-phase P P P Assigned mater power at 20020 V, 50 bit, 2-phas	Voltage per contact pair in series	60 V
Assigned motor power at 20020 V, 60 Hy, 1-phase Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Assigned motor power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Assigned motor power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Controls Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Controls Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Controls Image and the power at 20020 V, 60 Hy, 2-phase Image and the power at 20020 V, 60 Hy, 2-phase Number of anality power attack (numming ower controls the power atta	Motor rating	
Assigned mater power at 200200 4.00 Mr, 5 phase 15 MP Assigned mater power at 200200 40.00 Mr, 5 phase 10 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Assigned mater power at 200200 40.00 Mr, 5 phase 40 MP Matter of auxiliary contacts (hommaly quan contacts) 1 Number of auxiliary contacts (hommaly quan contacts) Meter Application contact and adjusterio. Control dependent PM Design vertification Meter Application contact and adjusterio. Control dependent PM NW Heat dissipation contact adjusterio. Control dependent PM NW NW 1023 Vertification of territerio dependent PM NW NW 1023 Vertification of territerio dependent PM NW NW 1023 Vertification of te	Assigned motor power at 115/120 V, 60 Hz, 1-phase	3 HP
Assign drot prover at 282240 V. 60 Hz, 1 phase 10 HP Assign drot prover at 282240 V. 60 Hz, 9 phase 15 HP Assign drot prover at 2828260 V. 60 Hz, 9 phase 5 HP Assign drot prover at 2828260 V. 60 Hz, 9 phase 5 HP Contact 5 HP Assign drot prover at 2828260 V. 60 Hz, 9 phase 5 HP Contact reliability 1 hairs en 180,00 solitching operations statistically determined, at 24 V DC, 10 Number of axalisity contacts (harmaly operators tratistically determined, at 24 V DC, 10 1 Number of axalisity contacts (harmaly operators statistically determined, at 24 V DC, 10 1 Actuator 6 Hairs en 180,00 solitching operators statistically determined, at 24 V DC, 10 Actuator contacts (harmaly operators contracts (harmaly operators statistically determined, at 24 V DC, 10 1 Actuator type Red 1 Actuator type Red 1 Actuator type NH 1 1 Rest displation, coursel displation Hi NH 1 1 Best displation for coursel displation Hi NH 1 1 Rest displation for coursel displation Hi NH 1 1	Assigned motor power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at SQR241 V.00 Nr, 3 phase 600 600 FP Assigned motor power at SQR240 V.00 Nr, 3 phase 600 FP Assigned motor power at SQR240 V.00 Nr, 3 phase 600 FP Assigned motor power at SQR240 V.00 Nr, 3 phase 600 FP Control cricult reliability 1 1 Number of axallary contracts (change-over contracts) 0 0 Number of axallary contracts (change-over contracts) 1 1 Astator Color 1 1 Read dissipation, courrent-dependent Pvid	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 238240 V. 00 Hz, 3-plase 15 HP Assigned motor power at 53806 V. 60 Hz, 3-plase 40 HP Assigned motor power at 53806 V. 60 Hz, 3-plase 50 HP Control: 1 Control: 1 Control: 0 Number of axaliary contacts (brange-over contacts) 0 Number of axaliary contacts (brange-over contacts) 1 Number of axaliary contacts (brange-over contacts) Red Actuator 2 Actuator Red Design vortification 0 Feedingston concerts dependent Piol 0V Read dependent Piol 0V	Assigned motor power at 230/240 V, 60 Hz, 1-phase	10 HP
Assign mater jower at 484/89 X, 08 H2, 3 plass 6 PP Assign mater jower at 484/89 X, 08 H2, 3 plass 6 PP Control crist inhibitity 1 fulture per 184,000 x 00 h1, 5 plass Control crist inhibitity 1 fulture per 184,000 x 00 h1, 5 plass Number of auxiliar contacts (hama-sover contacts) 0 Number of auxiliar contacts (hama-sover contacts) 8 Actuator 8 Actuator for auxiliar contacts (hama-sover contacts) 8 Actuator for auxiliar contacts (hama-sover contacts) 8 Actuator top 8 Actuator top 8 Actuator color 8 Actuator top 8 Actuator top 8 Besign writincial displation, current-dependent Puid 9 Back displation paraliz, current-dependent Puid 9 1023.1 Writincial mot at somemi haugins in thori dissplation (hor) 8 1023.2 Writincial mot at somemi haugins in thori dissplation of themai statis in themai solution of themai statis in thori dissplation (hor) 10 1023.2 Writincial mot at somemi haugins in thori dissplation (hor) 10 10 1023.2 Writincial mot at somemi haugins in thori dissplation (hor)	Assigned motor power at 230/240 V. 60 Hz. 3-phase	15 HP
Assigned matter power at \$75000 V,00 V,00 V,00 V,00 V,00 V,00 V,00		40 HP
Contacts Control circuit reliability Inluity get reliability Number of auxiliary centacts (change-over centacts) 1 Number of auxiliary centacts (normally closed contacts) 1 Number of auxiliary centacts (normally closed contacts) 1 Number of auxiliary centacts (normally closed contacts) 1 Actuator 1 Actuator color Red Actuator type 0 Design verification 0 Busing problem corrent-dependent Pvd 0 Heat dissipation, corrent-dependent Pvd 0 Heat dissipation, corrent-dependent Pvd 0 Busing problem corrent-dependent Pvd 0		
Control circuit reliability I failure per 10,000 witching operations statistically determined, at 24 V DC.10 Number of auxiliary contacts (hormally cleased contacts) 0 Number of auxiliary contacts (hormally cleased contacts) I failure per 100,000 witching operations statistically determined, at 24 V DC.10 Actuator color Actuator color Red Actuator color Red Red Read operational current opendemt Pvid Red Red Read operational current tor specified heat dissipation (In) <t< td=""><td></td><td></td></t<>		
Number of auxiliary contacts (homely) closed contacts) 0 Number of auxiliary contacts (normally contacts) 0 Actuator 0 Actuator color 0 Actuator ryee 0 Beginption from the dissipation, current-dependent Pvid 0 Head dissipation of polo, current-dependent Pvid 0 Read dispitation, nor-arrent-dependent Pvid 0 Read dispitation, nor-arrent-dependent Pvid 0 102.2 Consiston resistance 0 102.3 Uvification of thermal stability of enclosures 0 102.3 Uvification of thermal stability of enclosures 0 102.3 Uvification of thermal stability of enclosures 0 102.4 Resistance of insulating material sto. normal headting to thirth stability of enclosures 0 102.3 Uvification of thermal stability of enclosures 0 102.4 Resistance of insulating material sto. normal headting to thirth stability of enclosures 0 102.5 Resident of insulating material sto. normanu dependent the enclose switchgare meeds to be eva		
Number of auxiliary contacts (normally open contacts) Intervent of auxiliary contacts (normally open contacts) Actuator Red Actuator color Red Rest disspation, corrent-dependent Pvid OW Read operational current for specified heat dissipation (In) Static hear disspation, on corrent-dependent Pvid 102.2.2.2 Orrison or restance OW 102.2.3.1 Verification of restating in attribution of ancionares Meets the product standard's requirements. 102.2.2.2 Orrison or restance of insulating materials to normal heat Meets the product standard's requirements. 102.2.3.1 Verification of restating of encloares Meets the product standard's requirements. 102.2.4 Drestate of ulta-vide (UV) radiation Meets the product standard's requirements. 102.4 Drestate of ulta-vide (UV) radiation Meets the product standard's requirements. 103.5 Brice of protection of assembles		mA)
Number of auxiliary contacts formally open contacts) Image: Contacts formally open contacts) Actuator Red Actuator color Red Actuator type Red Design verification West dissipation, current-dependent Pvid Equipment heat dissipation, current-dependent Pvid West dissipation capacity Pdiss Read operational current for specifies heat dissipation (In) BSA Static heat dissipation, con-current-dependent Pvid BSA 102.2.2 Curration resistance West disperition and tabulity of enclosures 102.3.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.4 Resistance to ultra-viole (UV) radation Meets the product standard's requirements. 102.5 Mechanical impact Des end apply, since the entire switchges reads to be evaluated. 10.2 A Resistance to ultra-viole (UV) radation Des end apply, since the entire switchges reads to be evaluated. 10.2 For		
Actuator color Red Actuator type Bed Design verification Ber coupling rotary drive Design verification 0 W Equipment theat dissipation, current-dependent Pvid 0 W Heat dissipation, carrent-dependent Pvid 0 W Rate operational current to specified heat dissipation (n/n) S3 A Static heat dissipation, non-current-dependent Pvid 0 W 102.22 Corrosion resistance 0 W 102.21 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.23 Resist into an dissipation non-current dependent Pvid Weets the product standard's requirements. 102.24 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Resistance to ultra-violet (UV) rediation Meets the product standard's requirements. 102.25 Inscriptions Meets the product standard's requirements. 102.26 Inscriptions Meets the product standard's requirements. 102.27 Inscriptions Meets the product standard's requirements. 103.27 Inscriptions Meets the product standard's requirements. 103.27 Nascriptions Meets the product standard's requirements.		1
Actuator color Red Actuator type Door coupling rotary drive Design verification Over coupling rotary drive Equipment heat dissipation, current-dependent Pvid V Heat dissipation capacity Pdiss OW Reade operational current for specified heat dissipation (In) Static heart dissipation, on-current-dependent Pvid 102.2.1 Verification of thermal stability of enclosures OW 102.2.2 Verification of resistance of insulating materials to normal heat OW 102.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.2.3 Verification of resistance on vin concortion with product standard's requirements. Descent capadry since the enrific switchpar needs to be evaluated. 102.4.2 Meets displation of thermal stability of enclosures Meets the product standard's requirements. 102.5.1 Windication of thermal settifies book Descent capadry, since the enrific switchpar needs to be evaluated. 102.5.1 Windication Descent capply, since the enrific switchpar needs to be evaluated. 102.5.1 Windication gainst electric shock Descent capply, since the enrific switchpar needs to be evaluated.	Number of auxiliary contacts (normally open contacts)	1
Actuator type Corr coupling retary drive Design verification Poor coupling retary drive Equipment heat dissipation, current-dependent Pvid W Heat dissipation capacity Pdiss W Retard operational current operation head/fies patients W Retard operational current operation head/fies patients GSA Static heat dissipation, non-current-dependent Pvid Meets the product standard's requirements. 102.22 Corrosion resistance Meets the product standard's requirements. 102.23 Verification of freistance of insulating materials to normal head! Meets the product standard's requirements. 102.24 Verification of resistance of insulating materials to normal head! Meets the product standard's requirements. 102.24 Verification of resistance of insulating materials to normal head! Meets the product standard's requirements. 102.25 Lifting Does not apply, since the entire switchpar needs to be avaluated. 102.24 Neesistance to ultra-violet (UV) radiation Does not apply, since the entire switchpar needs to be evaluated. 102.25 Lifting Does not apply, since the entire switchpar needs to be evaluated. 102.24 Neesisting divices and components Does not apply, since the entire switchpar needs to be evaluated. 103.24 Neesting divices and compo	Actuator	
Design verification Image: Control of Section Control Control of Section Control Contrel Control Control Control Contrel Control Contro C	Actuator color	Red
Equipment heat dissipation, current-dependent Pvid 0 Heat dissipation capacity Pdiss 0 Heat dissipation capacity Pdiss 0 Rated operational current-dependent Pvid 63 A Static heat dissipation, non-current-dependent Pvs 0 102.2 Corrosino resistance 0 102.2 Corrosino resistance 0 102.2.3 Verification of thermal stability of enclosures 0 102.3.1 Verification of resistance of insulating materials to normal heat 0 102.3.2 Verification of resistance of insulating materials to normal heat 0 102.3.2 Verification of resistance of insulating materials to normal heat 0 102.2.3 Resist. of insul. mat. to abnormal heat/file by internal elect. effects Meets the product standard's requirements. 102.2 function in ginst 0 Does not apply, since the entire switchgear needs to be evaluated. 102.5 Moteninal impact 0 Does not apply, since the entire switchgear needs to be evaluated. 102.6 Moteninal impact 0 Does not apply, since the entire switchgear needs to be evaluated. 102.5 Moteninal impact 0 Does not apply, since the entire switchgear needs to be evaluated. 102.6 Moteninal impact 0	Actuator type	Door coupling rotary drive
Heat dissipation capacity Pdiss Image: Current - dependent Pvid 4.5 W Reted operational current for specified heat dissipation (In) 5.3 A Static heat dissipation, non-current-dependent Pvs Image: Current of specified heat dissipation (In) 10.2.2 Corrosion resistance Image: Current of specified heat dissipation (In) 10.2.2 Verification of thermal stability of enclosures Image: Current of specified heat dissipation (In) 10.2.3 Verification of resistance of insulating materials to normal heat Image: Current of specified heat dissipation (In) 10.2.3 Verification of resistance of insulating materials to normal heat Image: Current of specified heat dissipation (In) 10.2.3 Verification of resistance of insulating materials to normal heat Image: Current of specified heat dissipation (In) 10.2.4 Resistance to ultra-violet (UV) radiation Image: Current of specified heat dissipation (In) 10.2.5 Michanical impact Image: Current of specified heat dissipation (In) 10.2.6 Michanical impact Image: Current of specified heat dissipation (In) 10.2.6 Michanical impact Image: Current of specified heat dissipation (In) 10.2.6 Michanical impact Image: Current of specified heat dissipation (In) 10.2.6 Michanical impact Image: Current of specified heat dissipation (In) 10.2.6 Michanical impact Image: Cu	Design verification	
Heat dissipation propole, current-dependent Pvid 4 5 W Rated operational current for specified heat dissipation (In) 63 A Static heat dissipation, non-current-dependent Pvs 0 W 10.2.2 Corrosion resistance 0 W 10.2.2 Verification of themal stability of enclosures Meets the product standard's requirements. 10.2.3.1 Verification of neumal head for shoulding materials to normal head Meets the product standard's requirements. 10.2.3.2 Verification of neumal head/fore by internal elect. effects Weets the product standard's requirements. 10.2.3.1 Verification of neumal head/fore by internal elect. effects Weets the product standard's requirements. 10.2.3 Resist. of insul. mat. to abnormal head/fore by internal elect. effects Does not apply, since the entire switchgear needs to be avaluated. 10.2.4 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 10.2.5 Urscriptions Meets the product standard's requirements. 10.2.6 Mechanical impact Does not apply, since the entire switchgear needs to be avaluated. 10.2.7 Inscriptions Meets the product standard's requirements. 10.8 Connection of assemblies Meets the product standard's requirements. 10.8 Connection for external conductors Is the panel builder's responsibility.	Equipment heat dissipation, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In) 63 A Static heat dissipation, non-current-dependent Pvs 0 W 10.2.2 Corrosion resistance 0 W 10.2.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of sistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3.3 Resist, of insul, mat, to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.2.4 Resistance to ultra-violet (UV) radiation Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Itring Does not apply, since the entire switchgear needs to be evaluated. 10.2.1 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.4 Clearances and creepage distances 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 Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's r	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-current-dependent PvsImage: ConstanceImage: Constance	Heat dissipation per pole, current-dependent Pvid	4.5 W
10.2.2 Corrosion resistanceImage: Corrosi	Rated operational current for specified heat dissipation (In)	63 A
102.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.102.3.2 Verification of resistance of insulting materials to normal heatMeets the product standard's requirements.102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.102.4 Resistance to ultra-viole (UV) radiationUV resistance only in connection with protective shield.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.103.0 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.6 Icenances and creepage distancesMeets the product standard's requirements.105.7 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.105.8 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.103.9 Logree refrequency electric shockDoes not apply, since the entire switchgear needs to be evaluated.104.7 Internal electrical circuits and connectionsEncipeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	Static heat dissipation, non-current-dependent Pvs	0 W
10.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3 Resist. of insul. mat. to abnormal heatfire by internal elect. effects Meets the product standard's requirements. 10.2.4 Resistance to ultra-violet (UV) radiation Des not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Des not apply, since the entire switchgear needs to be evaluated. 10.2.1 Inscriptions Des not apply, since the entire switchgear needs to be evaluated. 10.3 Degree of protection of assemblies Des 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 of switching devices and components Des not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrici circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Impare aleutider's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal head/fire by internal elect. effects 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. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.9.1 Temperature rise Is the panel builder's responsibility. The specifications for the switchgear must be observeed. 10.11 Short-ci	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
102.4 Resistance to ultra-violet (UV) radiationVV resistance only in connection with protective shield.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsDoes not apply, since the entire switchgear needs to be evaluated.103.1 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.Clearances and creepage distancesDoes not apply, since the entire switchgear needs to be evaluated.105.Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106.Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.107.Internal electric strongthIs the panel builder's responsibility.108.2 Power-frequency electric strengthIs the panel builder's responsibility.109.3 Inpulse withstand voltageIs the panel builder's responsibility.10.13 Mechanical functionIs the panel builder's responsibility.10.14 Mechanical functionIs the panel builder's responsibility.10.15 Mechani	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.4 Resistance to ultra-violet (UV) radiation	UV resistance only in connection with protective shield.
10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs the panel builder's responsibility. The specifications for the switchgear must be observed.		
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. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder is responsibility. 10.10 Temperature rise Is the panel builder is 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, provide the information in the instruction		
10.3 Degree of protection of assemblies Dees not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Dees not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric shock Dees not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Dees not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.10 Temperature rise 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. 10.13 Mechanical function Is the panel builder's responsibility. The specifications for the switchgear must be observed.	· · · · · · · · · · · · · · · · · · ·	
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 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		
10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.10 Temperature rise The panel builder'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		
10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction		
10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibility.10.11 Short-circuit ratingIs the panel builder is responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder is responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction		
10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction		
10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction		
10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe 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. 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 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 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		
10.11 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		
10.12 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		provide heat dissipation data for the devices.
10.13 Mechanical function The device meets the requirements, provided the information in the instruction		observed.
		observed.
	10.13 Mechanical function	

Technical data ETIM 8.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])		
Version as main switch		Yes
Version as maintenance-/service switch		Yes

Version as safety switch		No
Version as emergency stop installation		Yes
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	690 - 690
Rated permanent current lu	А	63
Rated permanent current at AC-23, 400 V	А	63
Rated permanent current at AC-21, 400 V	А	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	100
Number of poles		3
Number of auxiliary contacts as normally closed contact		1
Number of auxiliary contacts as normally open contact		1
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
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		12