Main switch, P3, 63 A, rear mounting, 3 pole + N, 1 N/O, 1 N/C, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



Part no. P3-63/V/SVB-SW/N/HI11 074470

Product name	Eaton Moeller® series P3 Main switch
Part no.	
EAN	P3-63/V/SVB-SW/N/HI11 4015080744702
Product Length/Depth	147 millimetre
Product height	102 millimetre
Product width	114 millimetre
Product weight	0.535 kilogram
Certifications	UL IEC/EN 60947-3 CE VDE 0660 CSA File No.: 012528 CSA UL Category Control No.: NLRV UL File No.: E36332 IEC/EN 60204 CSA-C22.2 No. 60947-4-1-14 UL 60947-4-1 CSA Class No.: 3211-05 IEC/EN 60947 CSA-C22.2 No. 94
Product Tradename	P3
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
eatures & Functions	
Features	Version as main switch Version as maintenance-/service switch
Fitted with:	Black rotary handle and locking ring
Functions	STOP function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	4
eneral information	
Degree of protection	NEMA 1
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 Operations
Mounting method	Rear mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Suitable for	Branch circuits, suitable as motor disconnect, (UL/CSA) Ground mounting
limatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C
Ambient operating temperature (enclosed) - min	-25 °C

Climatic proofing	Damp heat, constant to IEC 60068-2-30
Parant and an arranted a	Damp heat, constant, to IEC 60068-2-78
Ferminal capacities	
Terminal capacity	$2 \times (2.5 - 10)$ mm², solid or stranded $1 \times (1.5 - 25)$ mm², flexible with ferrules to DIN 46228 $14 - 2$ AWG, solid or flexible with ferrule $2 \times (1.5 - 6)$ mm², flexible with ferrules to DIN 46228 $1 \times (2.5 - 35)$ mm², solid or stranded
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	640 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	600 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	590 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (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 (le) 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 (Ie) at DC-23A, 24 V	50 A
Rated operational current (Ie) at DC-23A, 48 V	50 A
Rated operational current (le) at DC-23A, 60 V	50 A
Rated operational current (Ie) at DC-23A, 120 V	25 A
Rated operational power at AC-3, 380/400 V, 50 Hz	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 500 V, 50 Hz	55 kW
	690 V
Rated operational voltage (Ue) at AC - min	
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating Rated conditional short-circuit current (Iq)	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	2 x I# (with intermittent operation class 12, 25 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor)
Number of contacts in series at DC-23A, 24 V	1
Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC-23A, 60 V	2
Number of contacts in series at DC-23A, 120 V	3
Switching capacity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)

Societaring capacity (auxiliary contacts, pilot study) Rand making capacity (auxiliary contacts, pilot study) Rand making capacity (auxiliary contacts, pilot study) Assigned minor power at 115(120) (60 Hz, 1-phase 31P Assigned minor power at 115(120) (60 Hz, 1-phase 31P Assigned minor power at 2002009 (60 Hz, 2-phase 31P Assigned minor power at 2002009 (60 Hz, 2-phase 31HP Assigned minor power at 2002009 (60 Hz, 2-phase 21HP Assigned minor power at 2002009 (60 Hz, 2-p	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Read analyn gapachin yo b 680 V loos phi to IECEN 68947-31 Whoter rating **** ******** **** **** *** **		
Wolter rating Assigned motor power at 115/120 V, 60 Hz, 1-phase Assigned motor power at 2002/26 V, 60 Hz, 1-phase Assigned motor power at 2002/26 V, 60 Hz, 1-phase Assigned motor power at 2002/26 V, 60 Hz, 1-phase Assigned motor power at 2002/26 V, 60 Hz, 1-phase Assigned motor power at 2002/26 V, 60 Hz, 2-phase Assigned motor power at 2002/26 V, 60 Hz, 2-phase Assigned motor power at 570-60 V, 60 Hz, 2-phase Assigned motor power at 570-60 V, 60 Hz, 2-phase Assigned motor power at 570-60 V, 60 Hz, 2-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Assigned motor power at 570-60 V, 60 Hz, 3-phase Correct circuit reliability Multiple of suchiary cortacts (change over contacts) Number of suchiary cortacts (change over contacts) Number of suchiary cortacts (change over contacts) 1 1 Actuator Actuator color		P600 (UL/CSA)
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Assigned motor power at 200/208 V, 08 Pz, 1-phase Assigned motor power at 200/208 V, 08 Pz, 3-phase Assigned motor power at 200/208 V, 08 Pz, 3-phase Assigned motor power at 200/208 V, 08 Pz, 3-phase Assigned motor power at 200/208 V, 08 Pz, 3-phase Assigned motor power at 200/208 V, 08 Pz, 3-phase Assigned motor power at 507/208 V, 08 Pz, 3-phase Assigned motor power at 507/208 V, 08 Pz, 3-phase Assigned motor power at 507/208 V, 08 Pz, 3-phase Assigned motor power at 507/208 V, 08 Pz, 3-phase Control circuit reliability I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Control circuit reliability I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Control circuit reliability I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Incomally open contacts I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Incomally open contacts I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Incomally open contacts I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Incomally open contacts I phase per 100,000 switching operations statistically determined, at 24 V DC, and V PC Reliability Contacts Incomally Contac	Motor rating	
Assigned motor power at 280/208 V, 60 Hz, 3-phase 10 HP Assigned motor power at 280/208 V, 60 Hz, 1-phase 10 HP Assigned motor power at 280/208 V, 60 Hz, 3-phase 40 HP Assigned motor power at 280/208 V, 60 Hz, 3-phase 40 HP Assigned motor power at 57/600 V, 60 Hz, 3-phase 50 HP Contacts Control circuit reliability 7	Assigned motor power at 115/120 V, 60 Hz, 1-phase	3 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase Assigned motor power at 230/240 V, 60 Hz, 1-phase Assigned motor power at 450/480 V, 60 Hz, 3-phase Assigned motor power at 450/480 V, 60 Hz, 3-phase Contacts Control circuit reliability Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally tapen contacts) Number of auxiliary contacts (normally apen contacts) Number of auxiliary contacts (normally apen contacts) Actuator Actuator role Actuator role Actuator role Actuator role Actuator role Actuator page over contacts (normally apen contacts) New role of auxiliary contacts (normally apen contacts) Number of auxiliary contacts (normally apen contacts) Number of auxiliary contacts (normally apen contacts) Actuator role Actuator ro	Assigned motor power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at 280/240 V, 60 Hz, 3-phase Assigned motor power at 575/000 V, 60 Hz, 3-phase Assigned motor power at 575/000 V, 60 Hz, 3-phase Contacts 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 color 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 Bated operational current for specified heat dissipation (In) 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 thermal stability of enclosures 10.2.3.3 Verification of thermal stability of enclosures 10.2.3.3 Verification of thermal stability of enclosures 10.2.3.3 Peacific not instinute ta homeromal heat'fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Resistance to ultra-violet (UV) radiation 10.2.6 Internal impact 10.2.7 Inscriptions 10.2.8 Design on apply, since the entire switchgear needs to be evaluated. 10.2.9 Design on apply, since the entire switchgear needs to be evaluated. 10.3.1 Periodic on given the entire switchgear needs to be evaluated. 10.3.2 Power for protection of assemblies 10.3.3 Inquise of protection of assemblies 10.4 Clearnness and creepage distances 10.3.3 Inquise evaluated conductors 10.3.4 Feating of enclosures made of insulating material 10.3.5 Protection against electric shock 10.5 Protection against electric shock 10.6 Protection against electric shock 10.7 Inscriptions 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Power requires withstand evaluated and confidency is exponsibility. 11.8 C	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
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Assigned motor power at \$75,000 V, 60 Hz, 3-phase Contacts Control circuit reliability Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Actuator color Actuator type Door coupling rotary drive Design verification Equipment hast dissipation, current-dependent Prid Heat dissipation par pole, current-dependent Prid Heat dissipation, non-current-dependent Prid Heat dissipation of proprise, current-dependent Prid Heat dissipation, non-current-dependent Prid Heat dissipation, non-current-dependent Prid Heat dissipation of proprise, current-dependent Prid Heat dissipation of proprise, current-dependent Prid Heat dissipation, non-current-dependent Prid Heat dissipation, non-current-dependent Prid Heat dissipation of proprise, current-dependent Pris Heat dissipation of proprise dependent Prid Heat dissipation of product standard is requirements. Heat dissipation of the product standard is requirements. Heat dissipation of the product standard is requirements. Heat dissipation of serial price dependent pr	Assigned motor power at 230/240 V, 60 Hz, 3-phase	15 HP
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provide heat dissipation data for the devices.	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function The device meets the requirements, provided the information in the instructio leaflet (IL) is observed.	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

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

Electric engineering, automation, process control engineering / Low-voltage switch [AKF060013])	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		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	63
Rated permanent current at AC-23, 400 V	Α	63
Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	100
Number of poles		4
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		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		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)		1