Main switch, P3, 63 A, flush 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/EA/SVB-SW/N/HI11 069724

eneral specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/EA/SVB-SW/N/HI11
EAN	4015080697244
Product Length/Depth	128 millimetre
Product height	102 millimetre
Product width	114 millimetre
Product weight	0.536 kilogram
Certifications	UL Listed CSA-C22.2 No. 60947-4-1-14 VDE 0660 CSA Class No.: 3211-05 UL Category Control No.: NLRV CE UL IEC/EN 60947-3 IEC/EN 60947 UL File No.: E36332 CSA File No.: 012528 UL 60947-4-1 CSA CSA-C22.2 No. 94 IEC/EN 60204
Product Tradename	P3
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
eatures & Functions	
Features	Version as maintenance-/service switch Version as main 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	Flush mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Suitable for	Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)
Туре	Circuit interrupter
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
	25 0

Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78
	Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity	$2 \times (2.5 - 10)$ mm², solid or stranded 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 $1 \times (1.5 - 25)$ mm², flexible with ferrules to DIN 46228
Screw size	M5, Terminal screw
Tightening torque	3 Nm, Screw terminals
Electrical rating	26.5 lb-in, Screw terminals
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 (le) 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 (le) at AC-21, 440 V	63 A
Rated operational current (le) at AC-23A, 230 V	63 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	63 A
Rated operational current (le) at AC-23A, 500 V	63 A
Rated operational current (le) at AC-23A, 690 V	63 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (Ie) at DC-23A, 24 V	50 A
Rated operational current (le) at DC-23A, 48 V	50 A
Rated operational current (Ie) at DC-23A, 60 V	50 A
Rated operational current (Ie) at DC-23A, 120 V	25 A
Rated operational power at AC-3, 380/400 V, 50 Hz	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 690 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	4 kA (Load side) 100 kA (Supply side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	150A, max. Fuse, SCCR (UL/CSA) 10 kA, 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)

Switching capacity (auxiliary contacts, pilot duty) Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3) Voltage per contact pair in series 60 V Motor rating Assigned motor power at 115/120 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 1-phase Assigned motor power at 200/208 V, 60 Hz, 1-phase 15 HP Assigned motor power at 230/240 V, 60 Hz, 3-phase 15 HP Assigned motor power at 230/240 V, 60 Hz, 3-phase 15 HP Assigned motor power at 460/480 V, 60 Hz, 3-phase 40 HP Assigned motor power at 575/600 V, 60 Hz, 3-phase 50 HP Contacts Control circuit reliability 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally closed contacts) 1 Number of auxiliary contacts (normally open contacts)	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
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Assignment motor power at 118/20 V 50 Hz, 1-phase	Voltage per contact pair in series	60 V
Assigned motor power at 200/200 V, 18 Hz, 1-phase Assigned motor power at 200/200 V, 18 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Assigned motor power at 200/200 V, 16 Hz, 5-phase Contracts Control circuit midality Municer of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (formally copes centacts) Number of auxiliary contacts (formally copes centacts) Number of auxiliary contacts (formally copes centacts) Actuator Actuator color Actuators Part of the string of the str	Motor rating	
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Assigned motor power at 230,240 V, 50 Hz, 1-phase 1949 Assigned motor power at 230,240 V, 50 Hz, 3-phase 1949 HP Assigned motor power at 230,400 V, 50 Hz, 3-phase 494 HP Assigned motor power at 230,400 V, 50 Hz, 3-phase 594 HP Control circuit reliability 200 Hz, 3-phase 594 HP Control circuit reliability 200 Hz, 3-phase 595 HP Number of auxiliary contracts (horsell) places or contacts) 1 Actuator 595 Hz, 3-phase	Assigned motor power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at 280/240 V, 80 Hz, 3-phase Assigned motor power at 280/240 V, 80 Hz, 3-phase Assigned motor power at 575/800 V, 60 Hz, 3-phase Assigned motor power at 575/800 V, 60 Hz, 3-phase So DHP Contacts Control circuit reliability Number of auxiliary contacts (charge-over contacts) Number of auxiliary contacts (charge-over contacts) Number of auxiliary contacts (charge-over contacts) Number of auxiliary contacts (pharmally clased contacts) Number of auxiliary contacts (pharmally clased contacts) Number of auxiliary contacts (pharmally open contacts) Actuator Actuator Actuator Actuator color Actuator type Door coupling rotary drive Door coupling rotary drive Door coupling rotary drive Equipment heat dissipation, current-dependent Pvid 18 bit No. Equipment heat dissipation, current-dependent Pvid Assist heat dissipation, current-dependent Pvid Assist heat dissipation, current-dependent Pvid Assist heat dissipation, non-current-dependent Pvis Assist heat dissipation of pristance of insulating materials to normal heat Assist heat dissipation of resistance of insulating materials to normal heat Assist heat dissipation of resistance of insulating materials to normal heat Assist he product standard's requirements. 10.2.3.1 Resist of insul, mat to albammal head fifter by internal elect-of-feets Assist heat he product standard's requirements. 10.2.2.2 Inscriptions Assist heat product standard's requirements. 10.2.3.2 Resistance to ultra-voide (IVV) reliation Assistance and receivements. 10.2.3.3 Resist of insul, mat to albammal head fifter by internal electric shock Does not apply, sinc	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 903/40 V, 80 Hz, 3-phase Solidance for control circuit reliability Control circuit reliability Number of auxiliary contacts (change-over contacts) Actuator Color Actuator type Does coupling rotary drive Equipment heat dissipation, current-dependent Prid Heat dissipation per pole, current-dependent Prid Heat dissipation per pole, current-dependent Prid Heat dissipation per pole, current-dependent Prid SSA Static heat dissipation, non-current-dependent Prid Based operations on thermal stability of enclosures Meets the product standard's requirements. 10.2.3 Verification of fremal stability of enclosures Meets the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to normal heat 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 Verification of resistance of insulating materials to normal heat 10.2.4 Resistance ouths - solide count with protecte shield. 10.2.5 Lifting Does not apply, since the entire switchpear needs to be evaluated. 10.2.7 Inscriptions 10.2.8 Protection of assemblies 10.2.9 Teaching distince only in concetor with protectes the distince with requirements. 10.2.1 Rescriptions 10.2.8 Protection against electric shock 10.2.6 Incorporation of switching devices and components 10.3 Teaching devices and components 10.3 Teaching a repeability. 10.4 Teaching a repeability. 10.5 Teaching a responsibility. 10.5 Teaching a responsibility. 10.6 Teaching a responsibility	Assigned motor power at 230/240 V, 60 Hz, 1-phase	10 HP
Assigned motor power of \$75500 V, 60 Hz, 3-phase Control circuit reliability Number of auxolary centrales (change-over contacts) Number of auxolary centrales (change-over centrales)	Assigned motor power at 230/240 V, 60 Hz, 3-phase	15 HP
Contracts Control circuit reliability Inality per 100,000 switching operations statistically determined, at 24 V DC, 10 m/A Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally closed contacts) Inality per 100,000 switching operations statistically determined, at 24 V DC, 10 m/A Actuator color Actuator type Door coupling rotary drive Busk Actuator type Door coupling rotary drive Busk Actuator type Door coupling rotary drive Buskin verification Equipment back dissipation, current-dependent Pvid OW Heat dissipation op pole, current-dependent Pvid As W Shade operational current for specified head dissipation (in) Statis heat dissipation one-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation one-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation one-current-dependent Pvid Statis heat dissipation one-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid As W Statis heat dissipation one-current-dependent Pvid As W Statis heat dissipation, none-current-dependent Pvid Wests the product standard's requirements. Use As Resistance to ultra-violet [UV] radiation UV resistance only in connection with protective shield. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not ap	Assigned motor power at 460/480 V, 60 Hz, 3-phase	40 HP
Corrol circuit reliability I failure per 100,000 switching operations statistically determined, at 24 V D., 10 nn.) Number of auxiliary contacts (change-neer contacts) Number of auxiliary contacts (normally closed contacts) 1 Number of auxiliary contacts (normally closed contacts) Actuator Actuator Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdias OW Heat dissipation per pole, current-dependent Pvid Static heat dissipation, non-current-dependent Pvid Static heat dissipation, non-current-dependent Pvid 10.2.2 Corrosion resistance Meats the product standard's requirements. 10.2.3.2 Verification, on-current-dependent Pvid 10.2.2.2 Verification, on-current-dependent Pvid 10.2.3.2 Verification, on-current-dependent Pvid 10.2.3.2 Verification, on-current-dependent Pvid 10.2.3.2 Verification, on-current-dependent Pvid 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of insul. mat to attnormal heat/fire by internal elect- effects 10.2.3.3 Resist of insul. mat to attnormal heat/fire by internal elect- effects 10.2.5 Ulting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Ulting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Ulting Does not apply, since the entire switchgear needs to be evaluated. 10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Ments the product standard's requirements. 10.5 Protection against electric about 10.6 Incerporation of switching devices and components 10.7 Does not apply, since the entire switchgear needs to be evaluated. 10.8 Incerporation of switching devices and components 10.9 Does not apply, since the entire switchgear needs to be evaluated. 10.9 Does not apply, since the entire switchgear needs to be evaluated. 10.9 Does not apply, since the entire switchgear needs to be evaluated. 10.9 Does	Assigned motor power at 575/600 V, 60 Hz, 3-phase	50 HP
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	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			

[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		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		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