

Main switch, P3, 63 A, flush mounting, 3 pole, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



Part no. P3-63/EA/SVB-SW 057857

eneral specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/EA/SVB-SW
EAN	4015080578574
Product Length/Depth	128 millimetre
Product height	102 millimetre
Product width	87 millimetre
Product weight	0.427 kilogram
Certifications	CSA-C22.2 No. 60947-4-1-14 CE CSA-C22.2 No. 94 CSA VDE 0660 UL Category Control No.: NLRV IEC/EN 60947-3 IEC/EN 60204 CSA File No.: 012528 IEC/EN 60947 UL CSA Class No.: 3211-05 UL File No.: E36332 UL 60947-4-1
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	Interlockable STOP function
Locking facility	Lockable in the 0 (Off) position
Number of poles	3
eneral information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
Degree of protection	NEMA 1
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 Operations
Mounting method	Flush mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Suitable for	Branch circuits, suitable as motor disconnect, (UL/CSA) Front mounting 4-hole
limatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	-23 ℃ 50 °C
Ambient oberating reinberating - max	JU U

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	1 x $\{1.5 - 25\}$ mm², flexible with ferrules to DIN 46228 2 x $\{1.5 - 6\}$ mm², flexible with ferrules to DIN 46228 1 x $\{2.5 - 35\}$ mm², solid or stranded 14 - 2 AWG, solid or flexible with ferrule 2 x $\{2.5 - 10\}$ 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 (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 (le) 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 (le) at DC-23A, 48 V	50 A
Rated operational current (Ie) at DC-23A, 60 V	50 A
Rated operational current (le) 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) 1.6 x I# (with intermittent operation class 12, 40 % duty factor) 1.3 x I# (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)	60 A, Rated uninterrupted current max. (UL/CSA)
Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)

Rated making capacity up to 890 V loss pils to IECEN 8091-31 Vollage per contact part in series Assigned motor power at 115/120 V 50 Nz. 1-phase Assigned motor power at 115/120 V 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 2000 W 50 Nz. 1-phase Assigned motor power at 450 Nz. 5-phase Assigned motor power at 500 Nz. 5-phase Contracts Co	Switching capacity (auxiliary contacts, pilot duty)	P600 (UL/CSA)
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Assigned motor power at 280/260 V, 58 Hz, 3-phase Assigned motor power at 280/260 V, 58 Hz, 3-phase Assigned motor power at 9175/900 V, 68 Hz, 3-phase S0 HP Contacts Control circuit reliability Number of auxiliary contacts (change over contacts) Number of auxiliary contacts (manually closed contacts) Number of auxiliary contacts (manually closed contacts) Number of auxiliary contacts (manually closed contacts) Actuator color Actuator color Actuator vipe Dos governments Equipment heat dissipation, current dependent Pvid Heat dissipation, capacity Pditis Ow Retad dissipation, capacity Pditis Ow Retad dissipation, context permitting and the state of the state	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	

Technical data ETIM 9.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		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		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		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
With pre-assembled cabling		No
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		1
Width	mm	87
Height	mm	102
Depth	mm	128
Width in number of modular spacings		