Main switch, P3, 63 A, surface 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/I4/SVB-SW/N/HI11 207347

Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/I4/SVB-SW/N/HI11
EAN	4015082073473
Product Length/Depth	139 millimetre
Product height	240 millimetre
Product width	160 millimetre
Product weight	1.135 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 14-05 UL 508 EN 60947-3 IEC 60947 VDE CSA-C22.2 No. 94 UL File No.: E36332 UL Category Control No.: NLRV UL CSA Class No.: 3211-05 IEC/EN 60947 CSA UL 60947-4-1 CSA-C22.2 No. 60947-4-1-14 IEC/EN 60947-3 CSA File No.: 012528 IEC/EN 60204 VDE 0660 CE
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	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	4
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 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
Outubie IUI	Branch circuits, suitable as motor disconnect, (UL/CSA)

Ambient energtion temperature, min	25.00
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max Climatic proofing	40 °C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacity	$1 \times (2.5 - 35) \text{ mm}^2$, solid or stranded $2 \times (2.5 - 10) \text{ mm}^2$, solid or stranded $2 \times (1.5 - 6) \text{ mm}^2$, flexible with ferrules to DIN 46228 $14 - 2 \text{ AWG}$, solid or flexible with ferrule $1 \times (1.5 - 25) \text{ mm}^2$, flexible with ferrules to DIN 46228
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, 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 (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 (Ie) at DC-23A, 24 V	50 A
Rated operational current (Ie) 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 - min	690 V
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.
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) Short-circuit protection rating	150A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 80 A gG/gL, Fuse, Contacts
Load rating Number of contacts in series at DC-23A, 24 V	2 x l# (with intermittent operation class 12, 25 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % duty factor) 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)
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)	800 A
Voltage per contact pair in series	60 V
Assigned motor power at 115/120 V, 60 Hz, 1-phase	3 HP
Assigned motor power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	10 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
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)	0
Number of auxiliary contacts (normally closed contacts)	1
Number of auxiliary contacts (normally open contacts)	1
Actuator color	Black
Actuator type	Door coupling rotary drive
Equipment heat dissipation, current-dependent Pvid	4.5 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, 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	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 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	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.
10.5 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 is responsible for the temperature rise calculation. Eaton will
10.11 Short-circuit rating	provide heat dissipation data for the devices. Is the panel builder's responsibility. The specifications for the switchgear must
	observed. Is the panel builder's responsibility. The specifications for the switchgear must
10.12 Electromagnetic compatibility	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 technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

Version as sairety switch Version as safety switch Version as samergency stop installation Version as reversing switch No.	[AKF060013])	377		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Version as safety switch Version as arewarging switch Version as arewarging switch Version as arewarging switch Vumber of switches Rated operation voltage Ue AC Rated operation voltage Ue AC Rated permanent current at AC-23, 400 V Rated permanent current at AC-23, 400 V Rated permanent current at AC-24, 400 V Rated permanent current at AC-24, 400 V Rated operation power at AC-34, 400 V Rated operation power at 400 V RW Router of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally open contact Rumber of diaxiliary contacts as change-over contact Rumber of inviting contacts as normally open contact Rumber of inviting contacts as normally open contact Rumber of form contacts Rumber of form open con	Version as main switch			Yes
Version as emergency stop installation No Version as reversing switch No Number of switches 1 Max. rated operation voltage Us AC V 690 - 680 Rated operating voltage V 690 - 680 Rated permanent current ur A 63 Rated permanent current at AC-23, 400 V A 63 Rated permanent current at AC-34, 400 V A 63 Rated short-time withstand current lcw KA 1.26 Rated short-time withstand current lcw KA 1.26 Rated short-circuit current 1q KA 1.00 Switching power at AC-23, 400 V kW 30 Number of poles L 1 Number of auxiliary contacts as normally closed contact I 1 Number of auxiliary contacts as change-over contact I No <t< td=""><td>Version as maintenance-/service switch</td><td></td><td></td><td>Yes</td></t<>	Version as maintenance-/service switch			Yes
Version as reversing switch Number of switches Max. rated operation voltage Ue AC V 690 - 690 Rated operation voltage V 690 - 690 Rated permanent current ut AC-23, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated permanent current at AC-21, 400 V Rated permanent current at AC-23, 400 V Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated short-time withstand current lcw Rated short-time withstand current lcw Rated short-time vithstand current lcw Rated operation power at AC-23, 400 V Rw 30 Switching power at 400 V Conditional rated short-circuit current lq Rumber of poles Number of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as change-over contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as norm	Version as safety switch			No
Number of switches 1 Max. rated operation voltage Ue AC V 690 Bated operating voltage V 690 - 890 Bated permanent current un V 690 - 890 Bated permanent current at AC-23, 400 V A 63 Bated permanent current at AC-21, 400 V A 63 Bated permanent current at AC-23, 400 V kW 30 Bated short-time withstand current lcw kA 1.26 Bated 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 L 4 Number of poles L 1 Number of auxiliary contacts as normally open contact 1 1 Number of auxiliary contacts as change-over contact No No Motor drive optional No No Motor drive optional No Complete device in housing Suitable for floor mounting Yes No Suitable for floor mounting 4-bole No No	Version as emergency stop installation			No
Max. rated operation voltage Ue AC Rated operating voltage Rated permanent current Iu Rated permanent current at AC-23, 400 V Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-23, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V RW Switching power at 400 V RW Switching power at 400 V RW Switching power at 400 V RW RATED OPERATION OF ACRES O	Version as reversing switch			No
Rated operating voltage Rated permanent current lu Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated permanent current lcw Rated operation power at AC-3, 400 V Rated permanent current lcw Rated operation power at AC-3, 400 V Rated permanent current lcw Rated permanent current at AC-23, 400 V Rated permanent current at AC-23, 400 V Rated permanent current at AC-23, 400 V Rated permanent current lcw Rated permanent current at AC-23, 400 V Rated permanent at AC-23, 400 V Rated permanent at AC-23, 400 V Rated permanent at AC-24, 400 V Rated permanent at AC	Number of switches			1
Rated permanent current Iu Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current Icw Rated operation power at AC-23, 400 V Rated operation power at	Max. rated operation voltage Ue AC		V	690
Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current Icw Rated operation power at AC-23, 400 V Rated short-time withstand current Icw Rated operation power at AC-23, 400 V Rated short-time withstand current Icw Rated operation power at AC-23, 400 V RW 30 Conditioned rated short-circuit current Iq RW Roumber of poles Rumber of poles Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as change-over contact Rumber of auxiliary contacts as change-over contact Roumber of poles R	Rated operating voltage		V	690 - 690
Rated permanent current at AC-21, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated operation power at AC-23, 400 V Rated operation power at AC-23, 400 V RwW 30 Conditioned rated short-circuit current lq RwW 30 Condition	Rated permanent current lu		Α	63
Rated operation power at AC-3, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated operation power at AC-23, 400 V River at 400 V Switching power at 400 V Conditioned rated short-circuit current lq Rounder of poles Rounder of poles Rounder of auxiliary contacts as normally closed contact Rounder of auxiliary contacts as normally open contact Rounder of auxiliary contacts as normally open contact Rounder of auxiliary contacts as change-over contact Rounder of auxiliary contacts as change-over contact Rounder of auxiliary contacts as change-over contact Rounder of integrated Rotor drive optional Rotor drive integrated Rotor drive integrated Rounder of rounder rounding Rounder of Rounder Rou	Rated permanent current at AC-23, 400 V		Α	63
Rated short-time withstand current lcw Rated operation power at AC-23, 400 V RW 30 Switching power at 400 V Conditioned rated short-circuit current lq RA Number of poles Rumber of auxiliary contacts as normally closed contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as change-over contact Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as normally closed contact Rumber of poles Rumber of po	Rated permanent current at AC-21, 400 V		Α	63
Rated operation power at AC-23, 400 V Switching power at 400 V Switchin	Rated operation power at AC-3, 400 V		kW	30
Switching power at 400 V kW 30 Conditioned rated short-circuit current Iq kA 100 Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for distribution board installation Suitable for intermediate mounting Suitable for intermediate mounting No No No No No No No No No N	Rated short-time withstand current lcw		kA	1.26
Conditioned rated short-circuit current Iq Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact No Motor drive optional Motor drive integrated No No No Complete device in housing Suitable for floor mounting Suitable for front mounting 4-hole Suitable for distribution board installation Suitable for intermediate mounting No No No	Rated operation power at AC-23, 400 V		kW	30
Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact No Motor drive optional No No Voltage release optional No Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for distribution board installation Suitable for intermediate mounting No Suitable for intermediate mounting No No No No No No No No No N	Switching power at 400 V		kW	30
Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting No No No No No No No No No N	Conditioned rated short-circuit current Iq		kA	100
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Voltage release optional No Device construction Suitable for floor mounting Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No No No No No No No No No N	Number of poles			4
Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Voltage release optional No Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No No No No No No No No No N	Number of auxiliary contacts as normally closed contact			1
Motor drive optional 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	Number of auxiliary contacts as normally open contact			1
Motor drive integrated No Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No	Number of auxiliary contacts as change-over contact			0
Voltage release optional Device construction Complete device in housing Suitable for floor mounting Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No	Motor drive optional			No
Device construction Complete device in housing Yes Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation Suitable for intermediate mounting No	Motor drive integrated			No
Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation Suitable for intermediate mounting No	Voltage release optional			No
Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No	Device construction			Complete device in housing
Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No	Suitable for floor mounting			Yes
Suitable for distribution board installation No Suitable for intermediate mounting No	Suitable for front mounting 4-hole			No
Suitable for intermediate mounting No	Suitable for front mounting centre			No
	Suitable for distribution board installation			No
Colour control element Black	Suitable for intermediate mounting			No
	Colour control element			Black
Type of control element Door coupling rotary drive	Type of control element			Door coupling rotary drive
Interlockable Yes	Interlockable			Yes
Type of electrical connection of main circuit Screw connection	Type of electrical connection of main circuit			Screw connection
Degree of protection (IP), front side	Degree of protection (IP), front side			IP65
Degree of protection (NEMA) 12	Degree of protection (NEMA)			12