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



Part no. P3-63/I4/SVB-SW 207344

Terminal capacities Terminal capacity	1 x (1.5 - 25) mm², flexible with ferrules to DIN 46228
	Damp heat, cyclic, to IEC 60068-2-30
Climatic proofing	Damp heat, constant, to IEC 60068-2-78
Ambient operating temperature (enclosed) - max	40 °C
Ambient operating temperature - max Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature - min	-25 °C
limatic environmental conditions	
Switching angle	90 °
Suitable for	Ground mounting
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Rated impulse withstand voltage (Uimp)	6000 V AC
Pollution degree	3
Overvoltage category	III
Operating frequency	1200 Operations/h
Mounting position	As required
Mounting method	Surface mounting
Degree of protection (front side) Lifespan, mechanical	100,000 Operations
Degree of protection	NEMA 12 IP65
	Auxiliary contact or neutral conductor fitted by user.
Accessories	Auxiliany contect or neutral conductor fitted by year
eneral information	
Number of poles	3
Locking facility	Lockable in the 0 (Off) position
Functions	Interlockable STOP function
Fitted with:	Black rotary handle and locking ring
Features	Version as main switch Version as maintenance-/service switch
eatures & Functions	
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Product Sub Type	None
Product Type	Main switch
Product Tradename	P3
	IEC/EN 60947 VDE 0660 IEC/EN 60204 IEC/EN 60947-3 UL
Certifications	CSA
Product weight	1.065 kilogram
Product width	160 millimetre
Product height	240 millimetre
Product Length/Depth	139 millimetre
EAN	4015082073442
Part no.	P3-63/I4/SVB-SW
Product name	Eaton Moeller® series P3 Main switch

	2 x (2.5 - 10) mm ² , solid or stranded 2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, Screw terminals
lectrical 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 (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 (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 - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Chort-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 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)
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)
Switching capacity (auxiliary contacts, pilot duty)	P600 (UL/CSA) A600 (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

Motor rating	
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
Contacts	
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)	0
Number of auxiliary contacts (normally open contacts)	0
Actuator	
Actuator color	Black
Actuator type	Door coupling rotary drive
Design verification	
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 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 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])

[AKF000013])		
Version as main switch	Yes	
Version as maintenance-/service switch	Yes	
Version as safety switch	No	
Version as emergency stop installation	No	

Number of switches 1 Max. rated operation voltage Ue AC V 690 - 690 Rated operating voltage V 690 - 690 Rated permanent current at AC-23, 400 V A 63 Rated operation power at AC-3, 400 V A 63 Rated operation power at AC-3, 400 V kW 30 Rated operation power at AC-23, 400 V kW 30 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 3 Number of auxiliary contacts as normally open contact 4 100 Number of auxiliary contacts as change-over contact 5 6 Motor drive optional 4 No 6 Motor drive optional 4 No 7 Motor drive optional 5 No 7 Motor drive integrated 6 7 8 Voltage release optional 7 7 7 Suitable for			
Max. rated operating voltage V 890 - 890 Rated operating voltage V 890 - 890 Rated permanent current tu C A 83 Rated permanent current at AC-23, 400 V A 63 Rated operation power at AC-3, 400 V AW 30 Rated short-time withstand current lcw AW 30 Rated operation power at AC-23, 400 V AW 30 Switching power at 400 V AW 30 Conditioned rated short-circuit current lq AW 30 Number of auxiliary contacts as normally closed contact AW 30 Number of auxiliary contacts as change-over contact AW 30 Number of auxiliary contacts as change-over contact BW No Notor drive integrated BW No Voltage release optional BW No Suitable for front mounting BW No	Version as reversing switch		No
Rated operating voltage V 890 - 890 Rated permanent current 1u A 63 Rated permanent current at AC-23, 400 V A 63 Rated operation power at AC-3, 400 V WW 30 Rated short-ine withstand current Ew AA 1.26 Rated operation power at AC-23, 400 V WW 30 Rated operation power at AC-23, 400 V WW 30 Rated operation power at AC-23, 400 V WW 30 Switching power at 400 V WW 30 Conditioned rated short-circuit current Iq KW 30 Number of poles W 3 Number of poles W 3 Number of auxiliary contacts as normally open contact V 0 Number of auxiliary contacts as normally open contact V 0 Motor drive optional V No Suitable for four mounting V No	Number of switches		1
Rated permanent current 1u A 63 Rated permanent current at AC-23, 400 V A 63 Rated permanent current at AC-21, 400 V A 63 Rated permanent current at AC-21, 400 V A 63 Rated permanent current at AC-3, 400 V A 30 Rated operation power at AC-23, 400 V AW 30 Switching power at 400 V AW 30 Conditioned rated short-circuit current Iq AW 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as change-over contact 0 0 Motor drive optional No 0 Motor drive integrated No No Voltage release optional No Complete device in housing Suitable for floor mounting No No Suitable for front mounting 4-tole No No Suitable for front mounting 4-tole No No Suitable for front mounting centre No No Suitable for front mount	Max. rated operation voltage Ue AC	V	690
Rated permanent current at AC-23, 400 V A 63 Rated permanent current at AC-21, 400 V AW 30 Rated operation power at AC-3, 400 V kW 30 Rated short-time withstand current lcw kW 30 Rated operation power at AC-23, 400 V kW 30 Switching power at 400 V kW 30 Conditioned rated short-circuit current lq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as change-over contact 0 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No No Device construction Yes No Suitable for front mounting 4-hole No No Suitable for front mounting centre No No Suitable for find mounting centre No No Suitable for intermediate mounting No No Colour control element No <td>Rated operating voltage</td> <td>V</td> <td>690 - 690</td>	Rated operating voltage	V	690 - 690
Rated permanent current at AC-21, 400 V A 63 Rated operation power at AC-3, 400 V W 30 Rated short-time withstand current low KA 1,28 Rated operation power at AC-23, 400 V KW 30 Switching power at 400 V KW 30 Conditioned rated short-circuit current lq KA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 0 3 Number of auxiliary contacts as normally open contact 0 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No No Device construction Complete device in housing Suitable for floor mounting Yes No Suitable for front mounting centre No No Suitable for front mounting centre No No Suitable for front mounting centre No No Suitable for firont mounting centre No No Suitable for firont mounting centre	Rated permanent current lu	Α	63
Rated operation power at AC-3, 400 V kW 30 Rated short-time withstand current lew kA 1.26 Rated operation power at AC-22, 400 V kW 30 Switching power at 400 V kW 30 Conditioned rated short-circuit current lq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 0 4 Number of auxiliary contacts as change-over contact 0 6 Motor drive optional No 7 Motor drive optional No 7 Motor drive integrated No 7 Voltage release optional No 7 Device construction No 7 Suitable for florr mounting Yes 7 Suitable for front mounting entre No No Suitable for front mounting centre No No Suitable for flort intermediate mounting No No Suitable for flort intermediate mounting No No Suitable for intermediate mounting No	Rated permanent current at AC-23, 400 V	Α	63
Rated short-time withstand current Icw 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 3 Number of auxiliary contacts as normally closed contact 9 4 Number of auxiliary contacts as change-over contact 9 4 Motor drive optional 9 9 Motor drive integrated 9 9 Voltage release optional 9 9 Device construction 9 9 Suitable for floor mounting 9 9 Suitable for front mounting 4-hole 9 9 Suitable for front mounting entre 9 9 Suitable for intermediate mounting 9 9 Suitable for intermediate mounting 9 9 Suitable for intermediate mounting 9 9 Colour control element 9 9 Special control element 9 9 <th< td=""><td>Rated permanent current at AC-21, 400 V</td><td>Α</td><td>63</td></th<>	Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-23, 400 V	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 3 3 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as normally open contact 0 0 Number of auxiliary contacts as change-over contact 0 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No Complete device in housing Suitable for floor mounting Yes No Suitable for front mounting 4-hole No No Suitable for front mounting centre No No Suitable for intermediate mounting No No Suitable for intermediate mounting No No Colour control element No No Type of control element No No Interfockable Yes No Type of electrical connection of main circuit Yes No Screw connection Yes	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 change-over contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact No Motor drive optional No No No No Outgage 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 Suitable for intermediate mounting Colour control element Type of control element Type of control element Type of electrical connection of main circuit Degree of protection (IP), front side	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 Notor drive optional Notor drive optional Notor drive integrated No Notor drive integrated No No Noutage release optional No No Noutage release optional No No Suitable for floor mounting Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting entre No Suitable for front mounting centre Suitable for distribution board installation No Suitable for intermediate mounting Colour control element Type of control element Type of control element Type of electrical connection of main circuit No Screw connection	Switching power at 400 V	kW	30
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 Complete device in housing Suitable for floor mounting Yes Suitable for front mounting 4-hole No Suitable for distribution board installation 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 (I/P), front side Fle6	Conditioned rated short-circuit current Iq	kA	100
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Notor drive optional Notor drive integrated Notor drive int	Number of poles		3
Number of auxiliary contacts as change-over contact 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 front mounting centre Suitable for front mounting centre Suitable for fortn mounting centre No Suitable for fortn tmounting centre No Suitable for fortn mounting centre No Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of control element Type of electrical connection of main circuit Degree of protection (IP), front side	Number of auxiliary contacts as normally closed contact		0
Motor drive optional Motor drive integrated 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 intermediate mounting Suitable for front mounting 4-hole No Suitable for front mounting 4-hole No Suitable for intermediate mounting No Suitable for intermediate mou	Number of auxiliary contacts as normally open contact		0
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 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	Number of auxiliary contacts as change-over contact		0
Voltage release optionalNoDevice constructionComplete device in housingSuitable for floor mountingYesSuitable for front mounting 4-holeNoSuitable for firont mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingNoColour control elementBlackType of control elementDoor coupling rotary driveInterlockableYesType of electrical connection of main circuitScrew connectionDegree of protection (IP), front sideIP65	Motor drive optional		No
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 Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side Complete device in housing No Colour Control element No Occupation rotary drive Yes Type of electrical connection of main circuit Screw connection IP65	Motor drive integrated		No
Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Suitable for control element Suitable for intermediate mounting Suitable for distribution board installation Suitable for front mounting 4-hole No Suitable for distribution board installation No Suitable for distribution board installation No Suitable for distribution board installation No Suitable for front mounting 4-hole No Suitable for front mounting 4-hole No Suitable for distribution board installation No Suitable for distribution board install	Voltage release optional		No
Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side No No No No Ruitable for intermediate mounting No Door coupling rotary drive Yes Screw connection IP65	Device construction		Complete device in housing
Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side No No No No Suitable for intermediate mounting No No Door coupling rotary drive Yes Screw connection IP65	Suitable for floor mounting		Yes
Suitable for distribution board installation Suitable for intermediate mounting No Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side No No Black Type or coupling rotary drive Yes Screw connection IP65	Suitable for front mounting 4-hole		No
Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side No Black Door coupling rotary drive Yes Screw connection IP65	Suitable for front mounting centre		No
Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side Black Door coupling rotary drive Yes Screw connection IP65	Suitable for distribution board installation		No
Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side Door coupling rotary drive Yes Screw connection IP65	Suitable for intermediate mounting		No
Interlockable Yes Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side IP65	Colour control element		Black
Type of electrical connection of main circuit Degree of protection (IP), front side Screw connection IP65	Type of control element		Door coupling rotary drive
Degree of protection (IP), front side	Interlockable		Yes
	Type of electrical connection of main circuit		Screw connection
Degree of protection (NEMA) 12	Degree of protection (IP), front side		IP65
	Degree of protection (NEMA)		12