Main switch, P3, 63 A, surface mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position, in steel enclosure



Part no.

P3-63/SE3/SVB/HI11 197363

General specifications	
Product name	Eaton Moeller® series P3 Main switch
Part no.	P3-63/SE3/SVB/HI11
EAN	4015080896814
Product Length/Depth	250 millimetre
Product height	155 millimetre
Product width	200 millimetre
Product weight	2.7 kilogram
Certifications	VDE 0660 IEC/EN 60947 IEC/EN 60947-3 IEC/EN 60204
Product Tradename	P3
Product Type	Main switch
Product Sub Type	None
Catalog Notes	in steel enclosure Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Features	Version as main switch Version as emergency stop installation Version as maintenance-/service switch Version as safety switch
Fitted with:	Red rotary handle and yellow locking ring
Functions	Emergency switching off function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	Three-pole
General information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
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)	0000 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
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Terminal capacities	
Terminal capacity	2 x (2.5 - 10) mm ² , solid or stranded 2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 1 x (2.5 - 35) mm ² , solid or stranded 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228

Tightening torque	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-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 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 DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (Ie) at DC-23A, 24 V	50 A
Number of contacts in series at DC-23A, 24 V	1
Rated operational current (Ie) at DC-23A, 48 V	50 A
Number of contacts in series at DC-23A, 48 V	2
Rated operational current (Ie) at DC-23A, 60 V	50 A
Number of contacts in series at DC-23A, 60 V	2
Rated operational current (Ie) at DC-23A, 120 V	25 A
Number of contacts in series at DC-23A, 120 V	3
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 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, 690 V, 50 Hz	30 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (lu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Voltage per contact pair in series	60 V
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 protection rating	80 A gG/gL, Fuse, Contacts
Switching capacity	
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	800 A
Load rating	1.6 x I# (with intermittent operation class 12, 40 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 2 x I# (with intermittent operation class 12, 25 % duty factor)
Contacts	
Control circuit reliability	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10
Number of auxiliary contacts (change-over contacts)	mA) O
Number of auxiliary contacts (normally closed contacts)	1
Number of auxiliary contacts (normally open contacts)	
Actuator	
	Rod
Actuator color	Red Deer coupling rates drive
Actuator type	Door coupling rotary drive
Design verification	
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.
10.2.5 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])

Version as anitropance-/service switch Fei Yes Version as anergency stop installation Yes Yes Version as neversing switch Yes Non-Non-Non-Non-Non-Non-Non-Non-Non-Non-			
Version as safety switch Image: safety switch Image: safety switch Image: safety switch Version as reversing switch Image: safety switch No Number of switches Image: safety switch Image: safety switch Nat, rated operation voltage UP AC Image: safety switch Image: safety switch Rated operation voltage UP AC Image: safety switch Image: safety switch Rated operation voltage UP AC Image: safety switch Image: safety switch Rated operation voltage UP AC Image: safety switch Image: safety switch Rated operation voltage UP AC Image: safety switch Image: safety switch Rated operation voltage LP AC 23,400 V Image: safety switch Image: safety switch Rated operation power at AC 23,400 V Image: safety switch Image: safety switch Switching power at AC 23,400 V Image: safety switch Image: safety switch Switching power at AC 23,400 V Image: safety switch Image: safety switch Switching power at AC 23,400 V Image: safety switch Image: safety switch Switching power at AC 23,400 V Image: safety switch Image: safety switch Switchin	Version as main switch		Yes
Version as reversing switch Image: Second Seco	Version as maintenance-/service switch		Yes
Varian as reversing which Performance Performa	Version as safety switch		Yes
Number of switches Image: space	Version as emergency stop installation		Yes
Ax. rated operation voltage Ue ACPercentage </td <td>Version as reversing switch</td> <td></td> <td>No</td>	Version as reversing switch		No
Rated operation yoltage Vertical 690 - 690 Rated operation yoltage A 5 Rated operation power at AC-23, 400 V A 6 Rated operation power at AC-31, 400 V A 6 Rated operation power at AC-32, 400 V KW 30 Rated operation power at AC-3, 400 V KW 30 Rated operation power at AC-3, 400 V KW 30 Switching power at 400 V KW 30 Conditioned rated short-circuit current lg KW 30 Number of poles KW 30 Number of poles KW 30 Number of auxiliary contacts as normally cosed contact KM 10 Number of auxiliary contacts as normally copen contact KM 12 Number of auxiliary contacts as normally copen contact KM 12 Number of auxiliary contacts as change-over contact KM 12 Number of auxiliary contacts as change-over contact KM 12 Number of auxiliary contacts as change-over contact KM No Sutable for front mounting KM KM<	Number of switches		1
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Add A Based Rede permanent current at AC-23,400 V A B Rede operation power at AC-3,400 V W B Rede operation power at AC-3,400 V M B Rede operation power at AC-3,400 V M B Switching power at AC-23,400 V M M Nuber of auxiliary contacts as normally open contact M M Not det at	Rated operating voltage	V	690 - 690
A 6 Rate deperation power at AC-3, 400 V KW 0 Rated operation power at AC-3, 400 V KW 126 Rated operation power at AC-3, 400 V KW 0 Rated operation power at AC-3, 400 V KW 0 Switching power at AC-23, 400 V KW 0 Switching power at AC-23, 400 V KW 0 Conditioned rated short-circuit current Iq KW 0 Number of poles KW 0 Number of auxiliary contacts as normally closed contact KM 1 Number of auxiliary contacts as normally closed contact Image: Contact Contact 1 Number of auxiliary contacts as change-over contact Image: Contact Contact Contact Contact Image: Contact Con	Rated permanent current lu	А	63
Reted operation power at AC-3, 400 V KN 3 Reted short-time withstand current low KA 1,6 Rated operation power at AC-23, 400 V KN 3 Switching power at 400 V KN 3 Conditioned rated short-circuit current lq KA 10 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 1 3 Number of auxiliary contacts as normally closed contact M 3 Number of auxiliary contacts as normally closed contact M 1 Number of auxiliary contacts as normally closed contact M M Number of auxiliary contacts as normally closed contact M 1 Number of auxiliary contacts as normally closed contact M 1 Number of auxiliary contacts as normally closed contact M 1 Number of auxiliary contacts as normally closed contact M 1 Number of auxiliary contacts as normally closed contact N 1 Number of auxiliary contacts as change-over contact M N Number of auxiliary contacts as normally closed contact N <td>Rated permanent current at AC-23, 400 V</td> <td>А</td> <td>63</td>	Rated permanent current at AC-23, 400 V	А	63
Rated short-time withstand current low KA 126 Rated operation power at AC-23, 400 V KW 30 Switching power at 400 V KW 30 Conditioned rated short-circuit current lq KA 10 Number of poles 3 30 Number of auxiliary contacts as normally closed contact 1 30 Number of auxiliary contacts as normally constact 1 30 Number of auxiliary contacts as normally constact 1 30 Number of auxiliary contacts as change-over contact 1 30 Number of auxiliary contacts as change-over contact 1 30 Number of auxiliary contacts as change-over contact 1 30 Number of auxiliary contacts as change-over contact 1 30 Number of auxiliary contacts as change-over contact 1 30 Not christing and auxiliary contacts as change-over contact 1 30 Not christing and auxiliary contacts as change-over contact 1 30 Not christing and auxiliary contacts as change-over contact 1 30 Not christing and auxiliary contacts as change-over contact 1 30 Notact christing and	Rated permanent current at AC-21, 400 V	А	63
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 KA 30 Number of auxiliary contacts as normally closed contact KA 30 Number of auxiliary contacts as normally closed contact FM 30 Number of auxiliary contacts as change-over contact FM 30 Motor drive optional FM 30 Notar drive integrated FM 30 Voltage release optional FM 50 Suitable for floor mounting FM 50 Suitable for fnot mounting 4-hole FM 50 Suitable for fnot mounting centre FM 50 Suitable for find mounting centre	Rated operation power at AC-3, 400 V	kW	30
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Number of poles 3 Number of auxiliary contacts as normally closed contact 1 Number of auxiliary contacts as normally open contact 1 Number of auxiliary contacts as normally open contact 0 Number of auxiliary contacts as normally open contact 0 Number of auxiliary contacts as change-over contact No Motor drive optional No Notor drive integrated No Voltage release optional No Suitable for floor mounting Set	Switching power at 400 V	kW	30
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 Number of auxiliary contacts as change-over contact 0 Motor drive optional 6 0 Notor drive integrated No No Voltage release optional 6 0 Device construction 6 0 Suitable for floor mounting 4-hole 6 0 Suitable for front mounting centre 6 0 Suitable for floor installation 6 0	Conditioned rated short-circuit current Iq	kA	100
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 Image: Complete device in housing Suitable for floor mounting 4-hole Image: Complete device in housing Suitable for front mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for distribution board installation Image: Complete device in housing Suitable for distribution board installation	Number of poles		3
Number of auxiliary contacts as change-over contactImage: space of the	Number of auxiliary contacts as normally closed contact		1
Motor drive optional No Motor drive integrated No Voltage release optional No Device construction Image: Complete device in housing Suitable for floor mounting 4-hole Image: Complete device in housing Suitable for front mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for front mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre Image: Complete device in housing Suitable for floor mounting centre<	Number of auxiliary contacts as normally open contact		1
Motor drive integratedMoVoltage release optionalMoDevice constructionMoSuitable for floor mountingMoSuitable for front mounting centreMoSuitable for distribution board installationMoM	Number of auxiliary contacts as change-over contact		0
Voltage release optional Mo Device construction Mo Suitable for floor mounting 4-hole Mo Suitable for front mounting centre Mo Suitable for floor mounting centre Mo Suitable for floor mounting centre Mo Suitable for floor mounting centre Mo	Motor drive optional		No
Device construction Complete device in housing Suitable for floor mounting 4-hole Mo Suitable for front mounting centre Mo Suitable for distribution board installation Mo	Motor drive integrated		No
Suitable for floor mounting Market of the procession o	Voltage release optional		No
Suitable for front mounting 2-hole M No Suitable for front mounting centre M No Suitable for distribution board installation M No	Device construction		Complete device in housing
Suitable for front mounting centre No Suitable for distribution board installation No	Suitable for floor mounting		Yes
Suitable for distribution board installation	Suitable for front mounting 4-hole		No
	Suitable for front mounting centre		No
Suitable for intermediate mounting No	Suitable for distribution board installation		No
	Suitable for intermediate mounting		No

Colour control element	Red
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)	12