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
eatures & 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
eneral 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)	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
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
erminal capacities	
Terminal capacity	2 x (2.5 - 10) mm², solid or stranded 2 x (1.5 - 6) mm², flexible with ferrules to DIN 46228 1 x (2.5 - 35) mm², solid or stranded 1 x (1.5 - 25) mm², 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 (le) 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 (le) 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 (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Voltage per contact pair in series	60 V
hort-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
witching capacity	
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	800 A
Load rating	1.6 x l# (with intermittent operation class 12, 40 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor)
ontacts	
Control circuit reliability	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 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
ctuator	
Actuator color	Red
Actuator type	Door coupling rotary drive
esign 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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must 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 maintonance-/service switch Version as safety switch Version as safety switch Version as a reversing switch Number of switches Rated operation voltage Ue AC Rated operation voltage Ue AC Rated permanent current Iu 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 permanent current at AC-24, 400 V Rated operation power at AC-34, 400 V Rated operation powe			
Version as safety switch Version as emergency stop installation Version as reversing switch No Number of switches Nax. rated operation voltage Ue AC Nax. rated operating voltage Nated operation power at AC-23,400 V Nate	Version as main switch		Yes
Version as mergency stop installation Version as reversing switch Number of switches Max. rated operation voltage Ue AC Rated operation voltage Ue AC Rated operation voltage 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 operation power at AC-3, 400 V Rated operation power at AC-23, 400 V Rated short-time withstand current lcw Rated operation power at AC-23, 400 V Rated short-time vithstand current lcw Rated operation power at AC-23, 400 V Rated short-time vithstand current lcw Rated operation power at AC-23, 400 V Rated short-time vithstand current lcw Rated operation power at AC-23, 400 V Rated operation power at	Version as maintenance-/service switch		Yes
Version as reversing switch Number of switches Nat. rated operation voltage Ue AC No. 890 - 690 Rated operation voltage Ue AC No. 890 - 690 Rated permanent current unt No. 83 Rated permanent current at AC-23, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V Rated operation power at AC-3, 400 V Rated short-time withstand current lew Rated operation power at AC-23, 400 V Rated short-time withstand current lew Rated operation power at AC-23, 400 V Rated short-time operation power at AC-23, 400 V Rated short-time operation power at AC-23, 400 V Rated short-time operation power at AC-23, 400 V Rated operation power at 400 V Routility contacts as normally closed contact In Number of auxiliary contacts as normally open contact In Number of auxiliary contacts as normally open contact In Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for front mounting centre	Version as safety switch		Yes
Number of switches 1 Max. rated operation voltage Ue AC V 690 Rated operating voltage V 690-690 Rated permanent current Iu A 63 Rated permanent current at AC-23, 400 V A 63 Rated operation power at AC-3, 400 V RW 30 Rated short-time withstand current Icw KM 36 Rated operation power at AC-23, 400 V KW 30 Switching power at 400 V KW 30 Conditioned rated short-circuit current Iq KM 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact KM 10 Number of auxiliary contacts as normally open contact 1 No Motor drive optional No No Motor drive optional No No Device construction No Complete device in housing Suitable for from mounting 4-hole No Complete device in housing Suitable for front mounting centre No No Suitable for foot distribution board install	Version as emergency stop installation		Yes
Max. rated operation voltage Ue AC V 690 Rated operating voltage V 690 - 690 Rated permanent current lu A 63 Rated permanent current at AC-23, 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 closed contact 1 1 Number of auxiliary contacts as normally open contact 1 No Motor drive integrated No No Voltage release optional No Complete device in housing Suitable for front mounting Yes Suitable for front mounting centre No No Suitable for front mounting centre No No Suitable for foot distribution board installation No No	Version as reversing switch		No
Rated operating voltage V 690 - 690 Rated permanent current lu A 63 Rated permanent current at AC-23, 400 V A 63 Rated permanent current at AC-21, 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 lq kA 100 Number of poles 3 3 Number of poles 1 1 Number of auxiliary contacts as normally closed contact 1 1 Number of auxiliary contacts as normally open contact 0 0 Motor drive integrated No No Woltage release optional No No Device construction Voltage release optional Voltage release optional No Suitable for front mounting 4-hole No Complete device in housing Suitable for front mounting centre No No	Number of switches		1
Rated permanent current lu A 63 Rated permanent current at AC-23, 400 V A 63 Rated permanent current at AC-21, 400 V A 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 lq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 1 1 Number of auxiliary contacts as change-over contact 0 No Motor drive optional No No Motor drive integrated No No Voltage release optional No Complete device in housing Suitable for floor mounting Yes Suitable for front mounting 4-hole No No Suitable for front mounting centre No No Suitable for floor floor mounting No No Suitable for floor floot mounting centre<	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 lew Rated operation power at AC-23, 400 V Rated short-time withstand current lew Rated operation power at AC-23, 400 V Rated operation power at AC-23, 400 V Rwitching power at 400 V Conditioned rated short-circuit current lq 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 normally open contact Rumber of aux	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 RW 30 Switching power at 40C V Switching power at 40C V Switching power at 40C V Conditioned rated short-circuit current lq RW 30 Sunder red short-circuit current lq RW 30 Sunder red short-circuit current lq RW 30 Sunder red short-circuit current lq RW 40 Sunder of poles Sunder of auxiliary contacts as normally closed contact Sunder of auxiliary contacts as normally open contact Sunder of auxiliary contacts as change-over contact Sunder of auxiliary contacts as normally open contact Sunder of auxiliary contacts as normally closed contact	Rated permanent current lu	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 lq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 1 1 Number of auxiliary contacts as normally open contact 0 0 Muthor drive optional No No Motor drive integrated No No Voltage release optional No Complete device in housing Suitable for floor mounting Yes Suitable for front mounting 4-hole No No Suitable for front mounting centre No No Suitable for distribution board installation No No	Rated permanent current at AC-23, 400 V	Α	63
Rated short-time withstand current Icw Rated operation power at AC-23, 400 V Switching power at 400 V Conditioned rated short-circuit current Iq Number of poles 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 Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for firont mounting centre Suitable for distribution board installation Ka 100 11 12 13 14 15 15 16 16 17 17 18 18 18 18 18 18 18 18	Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-23, 400 V Switching power at 400 V 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 front mounting centre Suitable for firont mounting centre Suitable for distribution board installation	Rated operation power at AC-3, 400 V	kW	30
Switching power at 400 V Conditioned rated short-circuit current Iq kA 100 Number of poles 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 Notor drive optional Notor drive integrated No Voltage release optional Device construction Suitable for front mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation KW 30 100 11 11 11 11 11 11 11 11 11 11 11 1	Rated short-time withstand current lcw	kA	1.26
Conditioned rated short-circuit current Iq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact 1 1 Number of auxiliary contacts as normally open contact 1 1 Number of auxiliary contacts as change-over contact 0 0 Motor drive optional 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 normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact No Motor drive optional No 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 No No No No No No No No	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 normally open contact Number of auxiliary contacts as change-over contact No Motor drive optional No 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 Suitable for for front mounting centre Suitable for for distribution board installation 1 Complete device in housing 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 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 fort mounting centre Suitable for distribution board installation 1 O Device contact or summary open contact or open contact	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 fort mounting centre Suitable for distribution board installation O O O O O O O O O O O O O	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 Suitable for front mounting 4-hole Suitable for fort mounting centre No Suitable for distribution board installation 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 fornt mounting centre No Suitable for distribution board installation No No No No No No No No No	Number of auxiliary contacts as change-over contact		0
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	Motor drive 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 Complete device in housing Yes No	Motor drive integrated		No
Suitable for floor mounting Yes Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation No	Voltage release optional		No
Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation 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 No	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