Main switch, P1, 32 A, surface mounting, 3 pole, 1 N/O, 1 N/C, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position, in steel enclosure



Part no.

P1-32/SE1/SVB-SW/HI11 197358

General specifications	
Product name	Eaton Moeller® series P1 Main switch
Part no.	P1-32/SE1/SVB-SW/HI11
EAN	4015080896869
Product Length/Depth	200 millimetre
Product height	135 millimetre
Product width	150 millimetre
Product weight	1.7 kilogram
Certifications	VDE 0660 IEC/EN 60204 IEC/EN 60947-3 IEC/EN 60947
Product Tradename	P1
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 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	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	300,000 Operations
Mounting method	Surface mounting
Mounting position	As required
Operating frequency	1200 Operations/h
Overvoltage category	III 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
Terminal capacities	
Terminal capacity	1 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 1 x (1.5 - 6) mm <sup>2</sup> , solid or stranded 2 x (1.5 - 6) mm <sup>2</sup> , solid or stranded
Screw size	M4, Terminal screw

Tightening torque	14 Nm, Screw terminals 1.6 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	260 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	300 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	290 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	250 A
Rated operational current (Ie) at AC-21, 440 V	32 A
Rated operational current (Ie) at AC-23A, 230 V	32 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	32 A
Rated operational current (Ie) at AC-23A, 500 V	30 A
Rated operational current (Ie) at AC-23A, 690 V	19.8 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	26.4 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	26.4 A
Rated operational current (Ie) at AC-3, 500 V	23.4 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	14.7 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	32 A
Rated operational current (Ie) at DC-23A, 24 V	25 A
Number of contacts in series at DC-23A, 24 V	1
Rated operational current (Ie) at DC-23A, 48 V	25 A
Number of contacts in series at DC-23A, 48 V	2
Rated operational current (Ie) at DC-23A, 60 V	25 A
Number of contacts in series at DC-23A, 60 V	2
Rated operational current (Ie) at DC-23A, 120 V	12 A
Number of contacts in series at DC-23A, 120 V	3
Rated operational power at AC-23A, 220/230 V, 50 Hz	7.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	15 kW
Rated operational power at AC-23A, 500 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 690 V, 50 Hz	15 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	13 kW
Rated operational power at AC-3, 415 V, 50 Hz	13 kW
Rated operational power at AC-3, 690 V, 50 Hz	15 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (lu)	32 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)	80 kA
Rated short-time withstand current (Icw)	640 A, Contacts, 1 second 0.64 kA
Short-circuit protection rating	50 A gG/gL, Fuse, Contacts
Switching capacity	
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	320 A
Load rating	2 x I# (with intermittent operation class 12, 25 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor)
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)	1
Number of auxiliary contacts (normally open contacts)	1
Actuator	
Actuator color	Black
Actuator type	Door coupling rotary drive

## **Technical data ETIM 8.0**

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

Version as maintenace, search engineering / Low-objects estableNoVersion as maintenace, search existsNoVersion as the maintenace, search existsNoVersion as the work existsNoVersion as the work existsNoVersion as the work existsNoNo e			
Varion as maintenner-/service switch     No       Varion as saregrey stop inclusion     No       Nation distribution     No       Nation distribution     No       Rated perment curront in AC-23, 400 V     No       Nated opermation power at AC-23, 400 V     No       Rated opermation power at AC-23, 400 V     No       Nated opermation power at AC-23, 400 V     No       Nate		/ Off-load	switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03
Varian as step switchImage: step statisticsNon-Addition of the step step statisticsVarian as step sing witchImage: step step step step step step step step	Version as main switch		No
Version as energency stop is statisticImage of a stop is stop	Version as maintenance-/service switch		Yes
Varion as revealing witch     No       Number of switches     1       Max. red operation voltage Ue AC     I     V       Rated operation voltage Ue AC     V     80       Rated operation voltage UE AC     2     2       Switching voltage AC     2     2       Number of voltage Vol	Version as safety switch		No
Number of switchesImage: space of space o	Version as emergency stop installation		No
Ax. rate operation voltage UPACImage: space of the space o	Version as reversing switch		No
Rate operanent current lu     V     890-890       Rated permanent current lu     A     32       Rated permanent current at AC-29, 400 V     G     A     32       Rated permanent current at AC-29, 400 V     G     A     32       Rated permanent current at AC-29, 400 V     G     A     32       Rated operation power at AC-3, 400 V     G     A     32       Rated operation power at AC-3, 400 V     G     KM     32       Switching power at AC-3, 400 V     G     KM     32       Switching power at AC-3, 400 V     G     KM     32       Switching power at AC-3, 400 V     G     KM     32       Switching power at AC-3, 400 V     G     KM     32       Number of poles     KM     32     32       Number of auxiliary contracts an ormally closed contact     M     10     32       Number of auxiliary contacts as normally closed contact     M     10     32       Number of auxiliary contacts as normally closed contact     M     No     32       Suitary of fortormounting - 100     M     No	Number of switches		1
Reter permanent current lu     Reter permanent current lu AC-23, 400 V     A     9       Rated permanent current la AC-23, 400 V     G     A     9       Rated permanent current la AC-23, 400 V     G     A     9       Rated permanent current la AC-23, 400 V     G     A     9       Rated permanent current la AC-23, 400 V     G     A     0       Rated operation power at AC-23, 400 V     G     W     15       Switching power at AC-23, 400 V     G     W     15       Conditioned rated short-circuit current lq     KA     0     0       Number of poles     KA     0     0     0       Number of auxiliary contacts as normally cole contact     G     1     0       Number of auxiliary contacts as change-over contact     G     0     0       Number of auxiliary contacts as change-over contact     G     0     0       Number of auxiliary contacts as change-over contact     G     0     0       Number of auxiliary contacts as change-over contact     G     No     0       Suitaber for foremounting -tholo     G     No	Max. rated operation voltage Ue AC	V	690
Rate operation current at AC-23, 400 V     A     9       Rated operation power at AC-3, 400 V     KM     3       Rated short-time withstand current low     KM     64       Rated short-time withstand current low     KM     64       Rated short-time withstand current low     KM     64       Switching power at AC-23, 400 V     KM     64       Switching power at AC-24, 400 V     KM     64       Switch power at AC-24, 400 V     KM<	Rated operating voltage	V	690 - 690
Area operation power at AC-21, 400 V     Image: Area operation power at AC-3, 400 V     Image: Area operation power at AC-3, 400 V     Image: Area operation power at AC-23, 400 V     Image: Area operaoperation power at AC-23, 400 V     Image: Area op	Rated permanent current lu	А	32
Rete operation power at AC-3, 400 V IM Id   Rete do short-time withstand current lew IM Id   Rete do peration power at AC-23, 400 V Im Id   Switching power at 400 V Im Id   Conditioned rated short-circuit current lq Im Id   Number of poles Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id   Number of auxiliary contacts as normally open contact Im Id	Rated permanent current at AC-23, 400 V	А	32
Rete short-time withstand current low     Rete short-time withstand curren	Rated permanent current at AC-21, 400 V	А	32
Rete deperation power at AC-23, 400 V   Image: Section 2000 (Section 2000) (Sectio	Rated operation power at AC-3, 400 V	kW	13
Nuching power at 400 VNuSConditioned rated short-circuit current IqIAINumber of polesIINumber of auxiliary contacts as normally closed contactIINumber of auxiliary contacts as normally closed contactIINumber of auxiliary contacts as change-over contactIINumber of auxiliary contactIIINumber of auxiliary contactIII <td>Rated short-time withstand current Icw</td> <td>kA</td> <td>0.64</td>	Rated short-time withstand current Icw	kA	0.64
Indition and short-circuit current lq   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of public   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the circuit current lq   Image: A generation of the circuit current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the current lq   Image: A generation of the current lq     Number of auxiliary contacts as normally closed contact   Image: A generation of the current lq   Image: A genetit current lq	Rated operation power at AC-23, 400 V	kW	15
Number of poles     I     I       Number of auxiliary contacts as normally open contact     I     I       Number of auxiliary contacts as normally open contact     I     I       Number of auxiliary contacts as normally open contact     I     I       Number of auxiliary contacts as change-over contact     I     I       Number of auxiliary contacts as change-over contact     I     I       Notor drive optional     I     I     I       Notor drive integrated     I     I     I     I       Voltage release optional     I <td< td=""><td>Switching power at 400 V</td><td>kW</td><td>15</td></td<>	Switching power at 400 V	kW	15
Number of auxiliary contacts as normally closed contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Number of auxiliary contacts as normally open contact     I       Nord drive optional     I       Noto drive optional     I       Noto drive optional     I       Notact drive optional     I       Subale for find mounting entre     I       Subale for instribution board installation     I       Nore coupling cortary drive     <	Conditioned rated short-circuit current Iq	kA	80
Number of auxiliary contacts as normally open contact1Number of auxiliary contacts as change-over contact0Motor drive optionalNoMotor drive optionalNoNotage release optionalNoVoltage release optionalNoDevice constructionComplete device in housingSuitable for floor mountingYesSuitable for front mounting 4-holeNoSuitable for front mounting 0-entreNoSuitable for front mounting 0-entreNoSuitable for front mounting 0-entreNoSuitable for intermediate mountingNoSuitable for intermedia	Number of poles		3
Number of auxiliary contacts as change-over contactImage: Content of the content of th	Number of auxiliary contacts as normally closed contact		1
Motor drive optional     No       Motor drive integrated     No       Voltage release optional     No       Device construction     Motor drive integrated       Suitable for floor mounting     Complete device in housing       Suitable for front mounting 4-hole     Yes       Suitable for front mounting centre     No       Suitable for intermediate mounting     No       Suitable for intermediate mounting     Yes       Solutable for intermediate mounting     No       Suitable for intermediate mounting     No       Suitable for intermediate mounting     Yes       Suitable for intermed	Number of auxiliary contacts as normally open contact		1
Motor drive integrated     No       Voltage release optional     No       Device construction     Complete device in housing       Suitable for floor mounting     Yes       Suitable for front mounting centre     No       Suitable for fintermediate mounting     No       Suitable for intermediate mounting     Yes       Suitable for intermediate mounting     No       Suitable for intermediate mounting     No       Suitable for intermediate mounting     Yes       Suitable for intermediate mounting     No       Suitable for intermediate mounting     No       Suitable for intermediate mounting     Yes       Suitable for intermediate mounting     Sectore       State of control element     Sectore       State of main circuit     Sectore       Spe of electrical connection of main circuit     Sectore       Sect	Number of auxiliary contacts as change-over contact		0
Votage release optionalNoDevice constructionComplete device in housingSuitable for floor mounting 4-holeYesSuitable for front mounting 4-holeNoSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingNoColour control elementSectorType of control elementSectorType of electrical connection of main circuitSectorDegree of protection (IP), front sideSectorDegree of protection (IP), front sideSectorSuitable of protection (IP), front sideSectorSuitable of protection (IP), front sideSectorSuitable of (IP), front sideSectorSuitable of (IP), front sideSectorSuitable of (IP), front sideSectorSuitable of site option (IP), front sideSectorSuitable of site option (IP), front sideSectorSuitable of (IP), front sideSector <td>Motor drive optional</td> <td></td> <td>No</td>	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 fint mounting centre   No     Suitable for intermediate mounting   Suitable     Suitable for intermediate mounting   Suitable <	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     Suitable for intermediate mounting   Suitable     Suit	Voltage release optional		No
Suitable for front mounting 4-holeImage: Solutable for front mounting centreNoSuitable for distribution board installationImage: Solutable for distribution board installationNoSuitable for intermediate mountingImage: Solutable for intermediate mountingNoColour control elementImage: Solutable for intermediate mountingNoType of control elementImage: Solutable for intermediate mountingNoInterlockableImage: Solutable for intermediate mountingNoType of electrical connection of main circuitImage: Solutable for intermediate mountingNoDegree of protection (IP), front sideImage: Solutable for intermediate mountingNo	Device construction		Complete device in housing
Suitable for front mounting centreMoSuitable for distribution board installationMoSuitable for intermediate mountingMoColour control elementMoType of control elementMoInterlockableMoType of electrical connection of main circuitMoDegree of protection (IP), front sideMo	Suitable for floor mounting		Yes
Suitable for distribution board installation   Image: Solutable for intermediate mounting   No     Suitable for intermediate mounting   Image: Solutable for intermediate mounting   No     Colour control element   Image: Solutable for intermediate mounting   No     Type of control element   Image: Solutable for intermediate mounting   No     Interlockable   Image: Solutable for intermediate mounting   Door coupling rotary drive     Type of electrical connection of main circuit   Image: Solutable for intermediate mounting   Screw connection     Degree of protection (IP), front side   Image: Solutable for intermediate mounting   Image: Solutable for intermediate mounting	Suitable for front mounting 4-hole		No
Suitable for intermediate mounting Image: Solution of the soluti	Suitable for front mounting centre		No
Colour control element Mark Black   Type of control element Door coupling rotary drive Door coupling rotary drive   Interlockable Yes Screw connection   Type of electrical connection of main circuit Screw connection Screw connection   Degree of protection (IP), front side Screw connection Interlockable	Suitable for distribution board installation		No
Type of control element Page of control element Door coupling rotary drive   Interlockable Yes   Type of electrical connection of main circuit Serew connection   Degree of protection (IP), front side Image: Company drive	Suitable for intermediate mounting		No
Interlockable Yes   Type of electrical connection of main circuit Image: Source connection of main circuit   Degree of protection (IP), front side Image: Source connection of main circuit	Colour control element		Black
Type of electrical connection of main circuit Screw connection   Degree of protection (IP), front side 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