

**Main switch, P3, 100 A, surface mounting, 3 pole, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position, in steel enclosure**

**Part no. P3-100/SE3/SVB-SW  
197373**

<b>General specifications</b>		
Product name		Eaton Moeller® series P3 Main switch
Part no.		P3-100/SE3/SVB-SW
EAN		4015080896715
Product Length/Depth		250 millimetre
Product height		155 millimetre
Product width		200 millimetre
Product weight		2.66 kilogram
Certifications		VDE 0660 IEC/EN 60204 IEC/EN 60947-3 IEC/EN 60947
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
<b>Features &amp; Functions</b>		
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
<b>General information</b>		
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 °
<b>Climatic environmental conditions</b>		
Ambient operating temperature (enclosed) - min		-25 °C
Ambient operating temperature (enclosed) - max		40 °C
<b>Terminal capacities</b>		
Terminal capacity		2 x (1.5 - 6) mm <sup>2</sup> , flexible with ferrules to DIN 46228 1 x (1.5 - 25) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (2.5 - 10) mm <sup>2</sup> , solid or stranded 1 x (2.5 - 35) mm <sup>2</sup> , solid or stranded
Tightening torque		3 Nm, Screw terminals

<b>Electrical rating</b>		
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)		760 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)		740 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)		880 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)		520 A
Rated operational current (Ie) at AC-21, 440 V		100 A
Rated operational current (Ie) at AC-23A, 230 V		100 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V		100 A
Rated operational current (Ie) at AC-23A, 500 V		96 A
Rated operational current (Ie) at AC-23A, 690 V		68 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V		71 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V		71 A
Rated operational current (Ie) at AC-3, 500 V		65 A
Rated operational current (Ie) at AC-3, 660 V, 690 V		23.8 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms		100 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		30 kW
Rated operational power at AC-23A, 400 V, 50 Hz		55 kW
Rated operational power at AC-23A, 500 V, 50 Hz		55 kW
Rated operational power at AC-23A, 690 V, 50 Hz		55 kW
Rated operational power at AC-3, 380/400 V, 50 Hz		37 kW
Rated operational power at AC-3, 415 V, 50 Hz		37 kW
Rated operational power at AC-3, 690 V, 50 Hz		37 kW
Rated operational voltage (Ue) at AC - max		690 V
Rated uninterrupted current (Iu)		100 A
Uninterrupted current		Rated uninterrupted current Iu is specified for max. cross-section.
Voltage per contact pair in series		60 V
<b>Short-circuit rating</b>		
Rated conditional short-circuit current (Iq)		4 kA (Load side) 80 kA (Supply side)
Rated short-time withstand current (Icw)		2 kA
Short-circuit protection rating		100 A gG/gL, Fuse, Contacts
<b>Switching capacity</b>		
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)		950 A
Load rating		2 x I# (with intermittent operation class 12, 25 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor)
<b>Contacts</b>		
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
<b>Actuator</b>		
Actuator color		Black
Actuator type		Door coupling rotary drive

## Technical data ETIM 8.0

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

Version as main switch			No
Version as maintenance-/service switch			Yes
Version as safety switch			No
Version as emergency stop installation			No
Version as reversing switch			No
Number of switches			1
Max. rated operation voltage Ue AC		V	690
Rated operating voltage		V	690 - 690
Rated permanent current Iu		A	100
Rated permanent current at AC-23, 400 V		A	100
Rated permanent current at AC-21, 400 V		A	100
Rated operation power at AC-3, 400 V		kW	37
Rated short-time withstand current Icw		kA	2
Rated operation power at AC-23, 400 V		kW	55
Switching power at 400 V		kW	55
Conditioned rated short-circuit current Iq		kA	80
Number of poles			3
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 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
Degree of protection (NEMA)			12