## **DATASHEET - P1-40/SE1/SVB-SW/N**

Main switch, P1, 40 A, surface mounting, 3 pole + N, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position, in steel enclosure  $\frac{1}{2}$ 



Part no. P1-40/SE1/SVB-SW/N

199951

**EL Number** 1403780

(Norway)

(Hol way)	
General specifications	
Product name	Eaton Moeller® series P1 Main switch
Part no.	P1-40/SE1/SVB-SW/N
EAN	4015082952884
Product Length/Depth	200 millimetre
Product height	135 millimetre
Product width	150 millimetre
Product weight	1.725 kilogram
Compliances	CE UKCA
Certifications	IEC/EN 60947-3 IEC/EN 60204 IEC/EN 60947
Product Tradename	P1
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Enclosure material	Steel
Features	Version as main switch Version as maintenance-/service switch
Fitted with:	Black rotary handle and locking ring Auxiliary contact
Functions	STOP function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	3+N
General information	
Accessories	Auxiliary contact fitted by user.
Degree of protection	IP65
Degree of protection (front side)	IP65
Lifespan, mechanical	300,000 Operations
Mounting method	Surface mounting
Mounting position	As required
Operating frequency	50 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
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78

1 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228
2 x (1 - 4) mm², flexible with ferrules to DIN 46228 1 x 10 mm² with fork terminal
2 x 10 mm <sup>2</sup> with fork terminal
M4, Terminal screw
1.6 Nm, Screw terminals
290 kA
130 kA
30 A
30 A
17 A
40 A
40 A
40 A
20 A
15 kW
15 kW
15 kW
11 kW
22 kW
18.5 kW
690 V
690 V
40 A
Rated uninterrupted current lu is specified for max. cross-section.
80 kA
0.64 kA 640 A, Contacts, 1 second
50 A gG/qL, Fuse, Contacts
30 A go/gc, ruse, contacts
40.1%/ 21.1. 21.1. 40.00% 14.5.
1.3 x I# (with intermittent operation class 12, 60 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor)
2 x l# (with intermittent operation class 12, 25 % duty factor)
1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
0
0
0
D
Black
Door coupling rotary drive
0 W
0 W
3.5 W
40 A
0 W
Meets the product standard's requirements.
UV resistance only in connection with protective shield.

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])

[AKFU6UU13])		
Version as main switch		Yes
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 lu	Α	40
Rated permanent current at AC-23, 400 V	Α	40
Rated permanent current at AC-21, 400 V	Α	40
Rated operation power at AC-3, 400 V	kW	15
Rated short-time withstand current lcw	kA	0.64
Rated operation power at AC-23, 400 V	kW	22
Switching power at 400 V	kW	22
Conditioned rated short-circuit current Iq	kA	80
Number of poles		4
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		Built-in device fixed built-in technique
Suitable for floor mounting		No
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)		