



□□□□□

## Eaton 197374

Eaton Moeller® series P3 Main switch, P3, 100 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

□□□□

<b>PRODUCT NAME</b>	Eaton Moeller® series P3 Main switch
<b>CATALOG NUMBER</b>	197374
<b>PRODUCT LENGTH/DEPTH</b>	250 mm
<b>PRODUCT HEIGHT</b>	155 mm
<b>PRODUCT WIDTH</b>	200 mm
<b>PRODUCT WEIGHT</b>	2.7 kg
<b>CERTIFICATIONS</b>	IEC/EN 60947-3 VDE 0660 IEC/EN 60204 IEC/EN 60947



Powering Business Worldwide

□□□□	
PRODUCT CATEGORY	Main switch
FEATURES	Version as maintenance- /service switch Version as main switch
ACTUATOR COLOR	Black
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.
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.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	UV resistance only in connection with protective shield.
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	Does not apply, since the

□□	
DECLARATIONS OF CONFORMITY	<a href="#">eaton-main-switch-declaration-of-conformity-uk251293en.pdf</a>
□□□□□	<a href="#">eaton-switch-disconnector-steel-enclosure-p3-il008056zu.pdf</a>
□□	<a href="#">eaton-rotary-switches-p3-main-switch-dimensions-011.eps</a> <a href="#">eaton-rotary-switches-t0-main-switch-3d-drawing-002.eps</a>

<b>PROTECTION OF ASSEMBLIES</b>	entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Black rotary handle and locking ring
<b>OPERATING FREQUENCY</b>	1200 Operations/h
<b>POLLUTION DEGREE</b>	3
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>RATED PERMANENT CURRENT AT AC-21, 400 V</b>	100 A
<b>RATED PERMANENT CURRENT AT AC-23, 400 V</b>	100 A
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	100 A
<b>SWITCHING ANGLE</b>	90 °
<b>SWITCHING POWER AT 400 V</b>	55 kW
<b>VOLTAGE PER CONTACT PAIR IN SERIES</b>	60 V
<b>ACCESSORIES</b>	Auxiliary contact or neutral conductor fitted by user.
<b>DEVICE CONSTRUCTION</b>	Complete device in housing
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	2 kA
<b>ELECTRICAL CONNECTION TYPE OF</b>	Screw connection

<b>MAIN CIRCUIT</b>	
<b>MOUNTING POSITION</b>	As required
<b>ACTUATOR TYPE</b>	Door coupling rotary drive
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	-25 °C
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>	4 kA (Load side) 80 kA (Supply side)
<b>OVERVOLTAGE CATEGORY</b>	III
<b>CONTROL CIRCUIT RELIABILITY</b>	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP65
<b>NUMBER OF POLES</b>	Three-pole
<b>MOUNTING METHOD</b>	Surface mounting
<b>DEGREE OF PROTECTION</b>	NEMA 12
<b>SUITABLE FOR</b>	Ground mounting
<b>LOCKING FACILITY</b>	Lockable in the 0 (Off) position
<b>FUNCTIONS</b>	STOP function Interlockable
<b>NUMBER OF SWITCHES</b>	1
<b>SAFE ISOLATION</b>	440 V AC, Between the contacts, According to EN 61140
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>LOAD RATING</b>	2 x I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.6 x I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x I <sub>e</sub> (with intermittent operation class 12, 60 %

	duty factor)
<b>TERMINAL CAPACITY</b>	1 x (1.5 - 25) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1.5 - 6) 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
<b>SAFETY PARAMETER (EN ISO 13849-1)</b>	B10d values as per EN ISO 13849-1, table C.1
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>NUMBER OF CONTACTS IN SERIES AT DC-23A, 120 V</b>	3
<b>NUMBER OF CONTACTS IN SERIES AT DC-23A, 24 V</b>	1
<b>NUMBER OF CONTACTS IN SERIES AT DC-23A, 48 V</b>	2
<b>NUMBER OF CONTACTS IN SERIES AT DC-23A, 60 V</b>	2
<b>RATED BREAKING CAPACITY AT 220/230 V (COS PHI TO IEC 60947-3)</b>	760 A
<b>RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)</b>	740 A
<b>RATED BREAKING CAPACITY AT 500 V (COS PHI TO IEC 60947-3)</b>	880 A
<b>RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)</b>	520 A
<b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)</b>	950 A
<b>RATED OPERATING VOLTAGE (UE) - MAX</b>	690 V
<b>RATED OPERATING VOLTAGE (UE) - MIN</b>	690 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	690 V
<b>SHORT-CIRCUIT PROTECTION RATING</b>	100 A gG/gL, Fuse, Contacts
<b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V</b>	100 A
<b>RATED OPERATIONAL</b>	100 A

<b>CURRENT (IE) AT AC-23A, 230 V</b>	
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V</b>	100 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V</b>	96 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V</b>	68 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>	71 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>	71 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>	65 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>	23.8 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS</b>	100 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 120 V</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 24 V</b>	50 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 48 V</b>	50 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V</b>	50 A
<b>RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ</b>	30 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ</b>	55 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ</b>	55 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ</b>	55 kW
<b>RATED OPERATIONAL POWER AT AC-3, 380/400</b>	37 kW

V, 50 HZ	
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	
	37 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	
	37 kW
TIGHTENING TORQUE	3 Nm, Screw terminals
UNINTERRUPTED CURRENT	Rated uninterrupted current Iu is specified for max. cross-section.
HOUSING MATERIAL	Plastic

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY: