

Műszaki adatok



A fotó reprezentatív



Eaton 207373

Eaton Moeller® series P3 Main switch, P3, 100 A, surface mounting, 3 pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position

Általános jellemzők

PRODUCT NAME	Eaton Moeller® series P3 Main switch
CATALOG NUMBER	207373
EAN	4015082073732
PRODUCT LENGTH/DEPTH	169 mm
PRODUCT HEIGHT	180 mm
PRODUCT WIDTH	200 mm
PRODUCT WEIGHT	1.5 kg
CERTIFICATIONS	IEC/EN 60947-3 UL CSA IEC/EN 60204 VDE 0660 IEC/EN 60947
CATALOG NOTES	Rated Short-time Withstand Current (Icw) for a time of 1 second
MODEL CODE	P3-100/I5/SVB



Powering Business Worldwide

Aktor

ACTUATOR COLOR	Red
ACTUATOR TYPE	Door coupling rotary drive

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)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0

Éghajlati környezeti viszonyok

AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Design verification

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 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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	7.5 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	7.5 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	100 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Elektromos jellemző

**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
L/R = 1 MS**

100 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-23A,
120 V**

25 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-23A,
24 V**

50 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-23A,**

50 A

Features & functions

FEATURES

Version as maintenance-
/service switch
Version as main switch
Version as emergency stop
installation
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

3

48 V	
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V	50 A
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, 500 V, 50 HZ	45 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 I _u is specified for max. cross-section.

Általános információk

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
PRODUCT CATEGORY	Main switch
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 °

Rövidzárlati névleges érték

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	4 kA (Load side) 80 kA (Supply side)
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	2 kA
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	150A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING	100 A gG/gL, Fuse, Contacts

Motor névleges teljesítménye

ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE 5 HP

ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE 10 HP

ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE 20 HP

ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE 15 HP

ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE 25 HP

ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE 60 HP

ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE 75 HP

Kapcsolási teljesítmény

LOAD RATING 1.6 x I_e (with intermittent operation class 12, 40 % duty factor)
1.3 x I_e (with intermittent operation class 12, 60 % duty factor)
2 x I_e (with intermittent operation class 12, 25 % duty factor)

NUMBER OF CONTACTS IN SERIES AT DC-23A, 120 V 3

NUMBER OF CONTACTS IN SERIES AT DC-23A, 24 V 1

NUMBER OF CONTACTS IN SERIES AT DC-23A, 48 V 2

NUMBER OF CONTACTS 2

IN SERIES AT DC-23A, 60 V

RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)	950 A
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SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10A, IU, (UL/CSA)
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SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600 (UL/CSA) P600 (UL/CSA)
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SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	100 A, If used with neutral conductor IU = max. 90 A, Rated uninterrupted current max. (UL/CSA)
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VOLTAGE PER CONTACT PAIR IN SERIES	60 V
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Sorkapcsok

SCREW SIZE	M5, Terminal screw
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TERMINAL CAPACITY	2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228 2 x (2.5 - 10) mm ² , solid or stranded 14 - 2 AWG, solid or flexible with ferrule 1 x (2.5 - 35) mm ² , solid or stranded
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TIGHTENING TORQUE	3 Nm, Screw terminals 26.5 lb-in, Screw terminals
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Erőforrások

ECAD MODEL	ETN.P3-100_I5_SVB
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KAPCSOLÁSI RAJZOK	eaton-rotary-switches-t0-on-off-switch-wiring-diagram-068.eps eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram.eps
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MCAD MODEL	eaton-erd-mcad-drawings-p3-i5-svb.dwg eaton-erd-mcad-3d-models-p3-i5-svb.stp
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MEGFELELŐSÉGI NYILATKOZATOK	eaton-main-switch-declaration-of-conformity-eu250811en.pdf eaton-main-switch-declaration-of-conformity-uk251294en.pdf
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PEP ECO-PASSPORT	eaton-enclosed-rotary-disconnects-pep-eato-00438-v0101-en.pdf
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RAJZOK	eaton-rotary-switches-padlock-t0-main-switch-dimensions.eps
	eaton-rotary-switches-p3-main-switch-dimensions-013.eps
	eaton-general-totally-insulated-t0-main-switch-symbol.eps
	eaton-rotary-switches-surface-mounting-t0-main-switch-3d-drawing.eps
	eaton-rotary-switches-t0-main-switch-symbol.eps
	eaton-general-switch-t0-main-switch-symbol.eps
TELEPÍTÉSI ÚTMUTATÓ	eaton-rotary-switches-cam-switch-p3-il03801010z.pdf
TERMÉKÉRTESÍTÉS	MZ008005ZU_Orderform_Customized_Switch.pdf
	MZ008006ZU_Orderform_Customized_Switch.pdf

PROJEKT NEVE:

PROJEKT SZÁMA:

KÉSZÍTETTE:

DÁTUM: