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Eaton 207064

Eaton Moeller series T0 On switch, 20 A,
Surface mounting, 1 contact unit(s),
Contacts: 1, Momentary, I<1, Design: 15321

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PRODUCT NAME	Eaton Moeller® series T0 On switch
CATALOG NUMBER	207064
PRODUCT LENGTH/DEPTH	137 mm
PRODUCT HEIGHT	102 mm
PRODUCT WIDTH	80 mm
PRODUCT WEIGHT	0.253 kg
CERTIFICATIONS	IEC/EN 60204 IEC/EN 60947-3 IEC/EN 60947 VDE 0660
CATALOG NOTES	Rated Short-time Withstand Current (Icw) for a time of 1 second

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TYPE	On switch
FEATURES	Complete device in housing
ACTUATOR FUNCTION	Spring-return from 1 Momentary Spring-return in position 1
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.

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DECLARATIONS OF CONFORMITY	eaton-step-switch-declaration-of-conformity-uk251327en.pdf
□□□□□	IL03801007Z2021_06.pdf
□□□	eaton-rotary-switches-contact-t0-on-switch-wiring-diagram.eps
□□	eaton-rotary-switches-t0-changeover-switch-dimensions.eps
□□	eaton-rotary-switches-front-plate-control-switch-symbol-006.eps

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.
FITTED WITH:	Black thumb grip and front plate
OPERATING FREQUENCY	1200 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
RATED UNINTERRUPTED CURRENT (IU)	20 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
SWITCHING ANGLE	45 °
VOLTAGE PER CONTACT PAIR IN SERIES	60 V
WIDTH IN NUMBER OF MODULAR SPACINGS	0
PRODUCT CATEGORY	Control switches
NUMBER OF POLES	Single-pole
RATED OPERATIONAL POWER AT AC-3, 500 V, 50 Hz	5.5 kW

DEVICE CONSTRUCTION	Surface mounted device
SWITCH TYPE	On/Off switch
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	320 A, Contacts, 1 second
ACTUATOR TYPE	Toggle
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
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
MOUNTING POSITION	As required
MOUNTING METHOD	Surface mounting
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	6 kA
DEGREE OF PROTECTION	IP65
OVERVOLTAGE CATEGORY	III
CONTROL CIRCUIT RELIABILITY	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
DEGREE OF PROTECTION (FRONT SIDE)	IP65 NEMA 12
NUMBER OF CONTACTS	1
SUITABLE FOR	Ground mounting Front mounting
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.6 W
NUMBER OF CONTACT UNITS	1
NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V	1
NUMBER OF CONTACTS IN SERIES AT DC-23A, 120 V	3
NUMBER OF CONTACTS	1

IN SERIES AT DC-23A, 24 V**NUMBER OF CONTACTS****IN SERIES AT DC-23A, 240 V** 5**FRONT SHIELD SIZE**

48x48 mm

SAFE ISOLATION

440 V AC, Between the contacts, According to EN 61140

SCREW SIZE

M3.5, Terminal screw

INSCRIPTION

I<1

SHOCK RESISTANCE

15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms

LIFESPAN, MECHANICAL

400,000 Operations

NUMBER OF SWITCH POSITIONS

2

LOAD RATING1.6 x I_e (with intermittent operation class 12, 40 % duty factor)
2 x I_e (with intermittent operation class 12, 25 % duty factor)
1.3 x I_e (with intermittent operation class 12, 60 % duty factor)**NUMBER OF CONTACTS**

2

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

3

RATED BREAKING**CAPACITY AT 220/230 V (COS PHI TO IEC 60947-3)** 100 A**RATED BREAKING****CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)** 110 A**RATED BREAKING****CAPACITY AT 500 V (COS PHI TO IEC 60947-3)** 80 A**RATED BREAKING****CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)** 60 A**RATED MAKING****CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)** 130 A**RATED OPERATING****VOLTAGE (UE) AT AC - MAX** 690 V**RATED OPERATIONAL****CURRENT (IE) AT AC-21, 440 V** 20 A

RATED OPERATIONAL
CURRENT (IE) AT AC-23A, 13.3 A
230 V

RATED OPERATIONAL
CURRENT (IE) AT AC-23A, 13.3 A
400 V, 415 V

RATED OPERATIONAL
CURRENT (IE) AT AC-23A, 13.3 A
500 V

RATED OPERATIONAL
CURRENT (IE) AT AC-23A, 7.6 A
690 V

RATED OPERATIONAL
CURRENT (IE) AT AC-3, 11.5 A
220 V, 230 V, 240 V

RATED OPERATIONAL
CURRENT (IE) AT AC-3, 11.5 A
380 V, 400 V, 415 V

RATED OPERATIONAL
CURRENT (IE) AT AC-3, 9 A
500 V

RATED OPERATIONAL
CURRENT (IE) AT AC-3, 4.9 A
660 V, 690 V

RATED OPERATIONAL
CURRENT (IE) AT DC-1, 10 A
LOAD-BREAK SWITCHES
L/R = 1 MS

RATED OPERATIONAL
CURRENT (IE) AT DC-13, 10 A
CONTROL SWITCHES L/R
= 50 MS

RATED OPERATIONAL
CURRENT (IE) AT DC-21, 1 A
240 V

SAFETY PARAMETER (EN ISO 13849-1) B10d values as per EN ISO 13849-1, table C.1

RATED OPERATIONAL
CURRENT (IE) AT DC-23A, 5 A
120 V

RATED OPERATIONAL
CURRENT (IE) AT DC-23A, 10 A
24 V

RATED OPERATIONAL
CURRENT (IE) AT DC-23A, 5 A
240 V

RATED OPERATIONAL
CURRENT (IE) AT DC-23A, 10 A
48 V

RATED OPERATIONAL
CURRENT (IE) AT DC-23A, 10 A
60 V

RATED OPERATIONAL 20 A

**CURRENT (IE) STAR-
DELTA AT AC-3, 230 V**

RATED OPERATIONAL

**CURRENT (IE) STAR-
DELTA AT AC-3, 400 V**

20 A

RATED OPERATIONAL

**CURRENT (IE) STAR-
DELTA AT AC-3, 500 V**

15.6 A

RATED OPERATIONAL

**CURRENT (IE) STAR-
DELTA AT AC-3, 690 V**

8.5 A

RATED OPERATIONAL

**CURRENT FOR SPECIFIED
HEAT DISSIPATION (IN)**

20 A

RATED OPERATIONAL

**POWER AT AC-23A,
220/230 V, 50 Hz**

3 kW

RATED OPERATIONAL

**POWER AT AC-23A, 400 V,
50 Hz**

5.5 kW

50 Hz

RATED OPERATIONAL

**POWER AT AC-23A, 500 V,
50 Hz**

7.5 kW

50 Hz

RATED OPERATIONAL

**POWER AT AC-23A, 690 V,
50 Hz**

5.5 kW

50 Hz

RATED OPERATIONAL

**POWER AT AC-3, 415 V, 50
Hz**

5.5 kW

50 Hz

RATED OPERATIONAL

**POWER AT AC-3, 690 V, 50
Hz**

4 kW

50 Hz

RATED OPERATIONAL

**POWER STAR-DELTA AT
220/230 V, 50 Hz**

5.5 kW

RATED OPERATIONAL

**POWER STAR-DELTA AT
380/400 V, 50 Hz**

7.5 kW

RATED OPERATIONAL

**POWER STAR-DELTA AT
500 V, 50 Hz**

7.5 kW

RATED OPERATIONAL

**POWER STAR-DELTA AT
690 V, 50 Hz**

5.5 kW

**TERMINAL CAPACITY
(FLEXIBLE WITH
FERRULE)**

2 x (0.75 - 2.5) mm²,
ferrules to DIN 46228
1 x (0.75 - 2.5) mm²,
ferrules to DIN 46228

**SHORT-CIRCUIT
PROTECTION RATING**

20 A gG/gL, Fuse, Contacts

**TERMINAL CAPACITY
(SOLID/STRANDED)**

1 x (1 - 2.5) mm²
2 x (1 - 2.5) mm²

TIGHTENING TORQUE	8.8 lb-in, Screw terminals 1 Nm, Screw terminals
UNINTERRUPTED CURRENT	Rated uninterrupted current I_u is specified for max. cross-section.
DESIGN	15321

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