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## Eaton 030985

Eaton Moeller® series T3 Main switch, T3, 32 A, flush mounting, 2 contact unit(s), 3 pole, STOP function, With black rotary handle and locking ring

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<b>PRODUCT NAME</b>	Eaton Moeller® series T3 Main switch
<b>CATALOG NUMBER</b>	030985
<b>PRODUCT LENGTH/DEPTH</b>	116 mm
<b>PRODUCT HEIGHT</b>	74 mm
<b>PRODUCT WIDTH</b>	65 mm
<b>PRODUCT WEIGHT</b>	0.204 kg
<b>CERTIFICATIONS</b>	CSA File No.: 012528 IEC/EN 60204 UL CE IEC/EN 60947 VDE 0660 CSA Class No.: 3211-05 UL 60947-4-1 UL Category Control No.: NLRV CSA-C22.2 No. 60947-4-1-14 CSA-C22.2 No. 94 CSA UL File No.: E36332 IEC/EN 60947-3
<b>CATALOG NOTES</b>	Rated Short-time Withstand Current (Icw) for a time of 1 second



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PRODUCT CATEGORY	Main switch
FEATURES	Version as main switch Version as maintenance-/service 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

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DECLARATIONS OF CONFORMITY	<a href="#">eaton-changeover-switch-declaration-of-conformity-uk251329en.pdf</a>
□□□□□	<a href="#">IL03801020Z</a>
□□□	<a href="#">eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram.eps</a>
□□	<a href="#">eaton-rotary-switches-mounting-t3-main-switch-dimensions-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>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>RATED OPERATIONAL POWER STAR-DELTA AT 500 V, 50 HZ</b>	18.5 kW
<b>RATED OPERATIONAL POWER STAR-DELTA AT 690 V, 50 HZ</b>	22 kW
<b>RATED PERMANENT CURRENT AT AC-21, 400 V</b>	32 A
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	32 A
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>SWITCHING ANGLE</b>	90 °
<b>SWITCHING POWER AT 400 V</b>	15 kW

<b>VOLTAGE PER CONTACT PAIR IN SERIES</b>	60 V
<b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>	15 kW
<b>DEVICE CONSTRUCTION</b>	Built-in device fixed built-in technique
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	0.65 kA 650 A, Contacts, 1 second
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Screw connection
<b>DESIGN</b>	1
<b>MOUNTING POSITION</b>	As required
<b>ACTUATOR TYPE</b>	Door coupling rotary drive
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	50 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	-25 °C
<b>ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE</b>	1.5 HP
<b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE</b>	3 HP
<b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE</b>	3 HP
<b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b>	3 HP
<b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b>	3 HP
<b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>	7.5 HP
<b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>	10 HP
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION</b>	0 W

<b>CAPACITY PDISS</b>	
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	1.1 W
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	0
<b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>	1 kA
<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>	3
<b>MOUNTING METHOD</b>	Flush mounting
<b>DEGREE OF PROTECTION</b>	NEMA 12
<b>SUITABLE FOR</b>	Branch circuits, suitable as motor disconnect, (UL/CSA) Front mounting center
<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>SCREW SIZE</b>	M4, Terminal screw
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
<b>LIFESPAN, MECHANICAL</b>	500,000 Operations
<b>LOAD RATING</b>	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) 2 x I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)
<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)</b>	10A, IU, (UL/CSA)

<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)</b>	A600 (UL/CSA) P600 (UL/CSA)
<b>TERMINAL CAPACITY</b>	2 x (0.75 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1 - 6) mm <sup>2</sup> , solid or stranded 14 - 10 AWG, solid or flexible with ferrule 1 x (0.75 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228 1 x (1 - 6) mm <sup>2</sup> , solid or stranded
<b>SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)</b>	25 A, Rated uninterrupted current max. (UL/CSA)
<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>	0
<b>NUMBER OF CONTACT UNITS</b>	2
<b>NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V</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, 240 V</b>	5
<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>	3
<b>RATED BREAKING CAPACITY AT 220/230 V (COS PHI TO IEC 60947-3)</b>	260 A
<b>RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)</b>	260 A
<b>RATED BREAKING CAPACITY AT 500 V (COS PHI TO IEC 60947-3)</b>	240 A
<b>RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)</b>	170 A
<b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN</b>	320 A

<b>60947-3)</b>	
<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 CURRENT RATING (BASIC RATING)</b>	40A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
<b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT)</b>	40 A, Class J, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
<b>SHORT-CIRCUIT PROTECTION RATING</b>	35 A gG/gL, Fuse, Contacts
<b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 230 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V</b>	26.4 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V</b>	17 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>	23.7 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>	23.7 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>	23.7 A
<b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>	14.7 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-13, CONTROL SWITCHES L/R = 50 MS</b>	20 A
<b>RATED OPERATIONAL</b>	1 A

<b>CURRENT (IE) AT DC-21, 240 V</b>	
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 120 V</b>	12 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 24 V</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 240 V</b>	5 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 48 V</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V</b>	25 A
<b>RATED OPERATIONAL CURRENT (IE) STAR- DELTA AT AC-3, 220/230 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) STAR- DELTA AT AC-3, 380/400 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) STAR- DELTA AT AC-3, 500 V</b>	32 A
<b>RATED OPERATIONAL CURRENT (IE) STAR- DELTA AT AC-3, 690 V</b>	25.5 A
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	32 A
<b>RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ</b>	7.5 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ</b>	15 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ</b>	15 kW
<b>RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ</b>	15 kW
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	11 kW
<b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>	11 kW
<b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>	11 kW

<b>RATED OPERATIONAL POWER STAR-DELTA AT 220/230 V, 50 HZ</b>	7.5 kW
<b>RATED OPERATIONAL POWER STAR-DELTA AT 380/400 V, 50 HZ</b>	15 kW
<b>TIGHTENING TORQUE</b>	1.6 Nm, Screw terminals 17.7 lb-in, Screw terminals
<b>UNINTERRUPTED CURRENT</b>	Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section.
<b>HOUSING COLOR</b>	Black
<b>HOUSING MATERIAL</b>	Plastic
