

## Eaton 016176

Eaton Moeller series T0 Step switch, 20 A, Rear mounting, 8 contact unit(s), Contacts: 16, Maintained, 1-4, Design: 8477

PRODUCT NAME	Eaton Moeller® series T0 Step switch
CATALOG NUMBER	016176
PRODUCT LENGTH/DEPTH	185 mm
PRODUCT HEIGHT	48 mm
PRODUCT WIDTH	48 mm
PRODUCT WEIGHT	0.283 kg
CERTIFICATIONS	VDE 0660 CSA File No.: 012528 IEC/EN 60947 IEC/EN 60947-3 UL UL File No.: E36332 CSA-C22.2 No. 94 IEC/EN 60204 CSA-C22.2 No. 60947-4-1- 14 UL Category Control No.: NLRV CSA Class No.: 3211-05 UL 60947-4-1 CE CSA
CATALOG NOTES	Rated Short-time Withstand Current (Icw) for a time of 1 second



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ТҮРЕ	Step switch
ACTUATOR FUNCTION	Without 0 (Off) position Maintained
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.

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DECLARATIONS OF CONFORMITY	eaton-step-switch- declaration-of-conformity- uk251327en.pdf	
00000	<u>IL03801021Z</u>	
000	eaton-rotary-switches-t0- step-switch-wiring- diagram-116.eps	
	eaton-rotary-switches-t0- step-switch-wiring- diagram-115.eps	
пп	eaton-rotary-switches- mounting-t0-step-switch- dimensions-024.eps	
	eaton-rotary-switches- front-plate-t0-step-switch- symbol-024.eps	

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	ls the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	ls the panel builder's responsibility.
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH	ls the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	ls the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	ls the panel builder's responsibility.
FITTED WITH:	Black thumb grip and front plate
<b>OPERATING FREQUENCY</b>	1200 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CLIMATIC PROOFING  RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	60068-2-30 Damp heat, constant, to
RATED IMPULSE WITHSTAND VOLTAGE	60068-2-30 Damp heat, constant, to IEC 60068-2-78
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) RATED UNINTERRUPTED	60068-2-30 Damp heat, constant, to IEC 60068-2-78
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT	60068-2-30 Damp heat, constant, to IEC 60068-2-78 6000 V AC
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT PAIR IN SERIES  WIDTH IN NUMBER OF	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W  45 °  60 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT PAIR IN SERIES  WIDTH IN NUMBER OF MODULAR SPACINGS	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W  45 °  60 V  0
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT PAIR IN SERIES  WIDTH IN NUMBER OF MODULAR SPACINGS  PRODUCT CATEGORY	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W  45 °  60 V  0  Control switches
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT PAIR IN SERIES  WIDTH IN NUMBER OF MODULAR SPACINGS  PRODUCT CATEGORY  NUMBER OF POLES  RATED OPERATIONAL POWER AT AC-3, 500 V, 50	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W  45 °  60 V  0  Control switches Four-pole
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)  RATED UNINTERRUPTED CURRENT (IU)  STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS  SWITCHING ANGLE  VOLTAGE PER CONTACT PAIR IN SERIES  WIDTH IN NUMBER OF MODULAR SPACINGS  PRODUCT CATEGORY  NUMBER OF POLES  RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	60068-2-30 Damp heat, constant, to IEC 60068-2-78  6000 V AC  20 A  0 W  45 °  60 V  0  Control switches  Four-pole  5.5 kW

RATED SHORT-TIME WITHSTAND CURRENT (ICW)  ACTUATOR TYPE  AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V,		
AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  COVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	WITHSTAND CURRENT	320 A, Contacts, 1 second
AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  CONTROL CIRCUIT RELIABILITY  A0 °C  40 °C	ACTUATOR TYPE	Toggle
TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at		50 °C
TEMPERATURE (ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  CONTROL CIRCUIT RELIABILITY  ASSIGNED MOTOR POWER AT 350/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEFENDENT PVID  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  1 failure per 100,000 switching operations statistically determined, at		-25 °C
TEMPERATURE (ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	TEMPERATURE	40 °C
POWER AT 115/120 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION AS required  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	TEMPERATURE	-25 °C
POWER AT 200/208 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  OVERVOLTAGE CATEGORY  1 HP  1	POWER AT 115/120 V, 60	0.5 HP
POWER AT 200/208 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  CONTROL CIRCUIT RELIABILITY  AS HP  1.5 HP  1.5 HP  7.5 HP  7.5 HP  7.5 HP  7.5 HP  7.5 HP  1.6 KA  1.7 HP	POWER AT 200/208 V, 60	1 HP
POWER AT 230/240 V, 60 HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION AS required  MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	POWER AT 200/208 V, 60	3 НР
POWER AT 230/240 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	POWER AT 230/240 V, 60	1.5 HP
POWER AT 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  PEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	POWER AT 230/240 V, 60	3 НР
POWER AT 575/600 V, 60 HZ, 3-PHASE  EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  PEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	POWER AT 460/480 V, 60	7.5 HP
DISSIPATION, CURRENT- DEPENDENT PVID  MOUNTING POSITION  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	POWER AT 575/600 V, 60	7.5 HP
MOUNTING METHOD  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION  DEGREE OF PROTECTION  NEMA 1 IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	DISSIPATION, CURRENT-	0 W
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION   NEMA 1   IP65   NEMA 12  OVERVOLTAGE CATEGORY   III    1 failure per 100,000   Switching operations   Statistically determined, at	MOUNTING POSITION	As required
SHORT-CIRCUIT CURRENT (IQ)  DEGREE OF PROTECTION   NEMA 1   IP65   NEMA 12    OVERVOLTAGE CATEGORY   III    1 failure per 100,000   Switching operations   Statistically determined, at	MOUNTING METHOD	Rear mounting
DEGREE OF PROTECTION IP65 NEMA 12  OVERVOLTAGE CATEGORY  III  1 failure per 100,000 switching operations statistically determined, at	SHORT-CIRCUIT CURRENT	6 kA
CATEGORY  1 failure per 100,000 CONTROL CIRCUIT RELIABILITY switching operations statistically determined, at	DEGREE OF PROTECTION	IP65
CONTROL CIRCUIT switching operations RELIABILITY statistically determined, at		III
		switching operations statistically determined, at

DEGREE OF PROTECTION (FRONT SIDE)	IP65 NEMA 12
NUMBER OF CONTACTS	16
SUITABLE FOR	Intermediate mounting Branch circuits, suitable as motor disconnect, (UL/CSA) Ground mounting Front mounting
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.6 W
NUMBER OF CONTACT UNITS	8
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 IN SERIES AT DC-23A, 24 V	1
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	1-4
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	4
LOAD RATING	1.3 x l <sub>e</sub> (with intermittent operation class 12, 60 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10A, IU, (UL/CSA)

SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300 (UL/CSA) A600 (UL/CSA)
NUMBER OF CONTACTS IN SERIES AT DC-23A, 48 V	2
NUMBER OF CONTACTS IN SERIES AT DC-23A, 60 V	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, 230 V	13.3 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V	13.3 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V	13.3 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V	7.6 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	11.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	11.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	9 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	4.9 A

RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS	10 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, CONTROL SWITCHES L/R = 50 MS	10 A
RATED OPERATIONAL CURRENT (IE) AT DC-21, 240 V	1 A
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	16 A, Rated uninterrupted current max. (UL/CSA)
SAFETY PARAMETER (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 120 V	5 A
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 24 V	10 A
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 240 V	5 A
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 48 V	10 A
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V	10 A
RATED OPERATIONAL CURRENT (IE) STAR- DELTA AT AC-3, 230 V	20 A
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
RATED OPERATIONAL	7.5 kW

POWER AT AC-23A, 500 V, 50 HZ	
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	4 kW
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) mm <sup>2</sup> , ferrules to DIN 46228 1 x (0.75 - 2.5) mm <sup>2</sup> , ferrules to DIN 46228
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	50A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT)	10 kA, SCCR (UL/CSA) 20 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING	20 A gG/gL, Fuse, Contacts
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE AWG)	18 - 14
TERMINAL CAPACITY (SOLID/STRANDED)	1 x (1 - 2.5) mm <sup>2</sup> 2 x (1 - 2.5) mm <sup>2</sup>
TIGHTENING TORQUE	1 Nm, Screw terminals 8.8 lb-in, Screw terminals
UNINTERRUPTED CURRENT	Rated uninterrupted current lu is specified for max. cross-section.

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□□□□ Eaton House 30 Pembroke Road Dublin 4, □□□ Eaton.com 







