

## Eaton 015453

Eaton Moeller® series T0 Star-delta switch, 20 A, rear mounting, 6 contact units, Contacts: 11, 60 °, maintained, 0 (Off) position, spring-return, B>0-Y-D

PRODUCT NAME	Eaton Moeller® series T0 Star-delta switch
CATALOG NUMBER	015453
PRODUCT LENGTH/DEPTH	166 mm
PRODUCT HEIGHT	48 mm
PRODUCT WIDTH	48 mm
PRODUCT WEIGHT	0.235 kg
CERTIFICATIONS	VDE 0660 CSA-C22.2 No. 60947-4-1- 14 UL 60947-4-1 UL Category Control No.: NLRV CSA File No.: 012528 CSA-C22.2 No. 94 IEC/EN 60947-3 UL File No.: E36332 IEC/EN 60204 IEC/EN 60947 CSA Class No.: 3211-05 UL CE CSA
CATALOG NOTES	Rated Short-time Withstand Current (lcw) for a time of 1 second



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ТҮРЕ	Star-delta switch
PRODUCT CATEGORY	Control switches
ACTUATOR FUNCTION	Spring-return to 0 With 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	Does not apply, since the

DECLARATIONS OF CONFORMITY	eaton-step-switch- declaration-of-conformity- uk251327en.pdf
00000	<u>IL03801021Z</u>
000	eaton-rotary-switches-t0- star-delta-switch-wiring- diagram-019.eps
	eaton-rotary-switches-t0- star-delta-switch-wiring- diagram-020.eps
00	eaton-rotary-switches- mounting-t0-step-switch- dimensions-033.eps
	eaton-rotary-switches- front-plate-t0-star-delta- switch-symbol-002.eps

PROTECTION OF ASSEMBLIES	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	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:	Retraction in 0-position 0 (off) position Black thumb grip and front plate
OPERATING FREQUENCY	1200 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
ENCLOSURE MATERIAL	Plastic
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
ACTUATOR TYPE	Short thumb-grip
AMBIENT OPERATING TEMPERATURE - MAX	50 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	0.5 HP

ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE	1 HP
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	1.5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	3 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	7.5 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	7.5 HP
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	o w
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.6 W
NUMBER OF AUXILIARY CONTACTS (CHANGE- OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF CONTACT UNITS	6
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	320 A, Contacts, 1 second
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	6 kA
MOUNTING METHOD	Rear mounting
OVERVOLTAGE CATEGORY	III
CONTROL CIRCUIT RELIABILITY	1 failure per 100,000 switching operations

NUMBER OF POLES  DEGREE OF PROTECTION  NUMBER OF CONTACTS  MODEL  Star-delta switch  DEGREE OF PROTECTION  (FRONT SIDE)  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  SHOCK RESISTANCE  CURRENT (IE)  SHOCK RESISTANCE  SHOCK RESISTANCE  SUITE Manual Start Sta	NUMBER OF POLES  DEGREE OF PROTECTION  NEMA 1 NEMA 1 NEMA 12  NUMBER OF CONTACTS  11  MODEL  DEGREE OF PROTECTION (FRONT SIDE)  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  M3.5, Term  15 g, Mechanical  According 60068-2-27 sinusoidal  1.6 x le (with operation duty factor 1.3 x le (with operat	0 mA)
DEGREE OF PROTECTION  IP65 NEMA 1 NEMA 12  NUMBER OF CONTACTS  I1  MODEL  Star-delta switch  IP65 NEMA 12  INSCRIPTION  IP65 NEMA 12  IP65 IP65 NEMA 12  IP65 IP65 NEMA 12  IP65 IP65 IP66 IP66 IP66 IP66 IP66 IP6	DEGREE OF PROTECTION  IP65 NEMA 1 NEMA 12  NUMBER OF CONTACTS  MODEL  DEGREE OF PROTECTION (FRONT SIDE) INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  M3.5, Term  15 g, Mechanicol delta 15.6 A at Acdelta 20 A at ACdelta 21.6 x le (with operation duty factor 2 x le (with operation duty factor 1.3 x le (with operation duty factor 2 x le (with operation duty factor 1.3 x le (with operation duty factor 1.4 x le (with operation duty factor 1.5 x le (with operation duty factor 1.6 x le (with operation duty factor 1.7 x le (with operation duty factor 1.8 x le (with operation duty factor 1.9 x le (with operation duty factor 1.1 x le (with operation duty factor 1.2 x le (with operation duty factor 1.3 x le (with operation duty factor 1.4 x le (with operation duty factor 1.5 x le (with	switch
NEMA 1 NEMA 12  NUMBER OF CONTACTS  MODEL  Star-delta switch  P65 NEMA 12  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  M3.5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  1.6 x le (with intermittent operation class 12, 40 % duty factor) 2 x le (with intermittent operation class 12, 25 % duty factor) 1.3 x le (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY  NEMA 12  NEMA 12  NEMA 12  NEMA 12  ITIGHTENING TORQUE  NEMA 12  IP65 IP65 NEMA 12  IP65 IP65 IP65 IP66 IP67 IP67 IP67 IP67 IP67 IP67 IP67	DEGREE OF PROTECTION NEMA 1 NEMA 12  NUMBER OF CONTACTS 11  MODEL Star-delta: DEGREE OF PROTECTION (FRONT SIDE) INSCRIPTION LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  M3.5, Term 15 g, Mechanical According 60068-2-27 sinusoidal  LOAD RATING  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V  Star-delta: 1P65 NEMA 12 104 120 120 120 120 120 120 120 120 120 120	switch
MODEL  DEGREE OF PROTECTION (FRONT SIDE)  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL  CURRENT (IE)  SHOCK RESISTANCE  CURSISTANCE  LOAD RATING  LOAD RATING  DEGREE OF PROTECTION (P65)  NEMA 12  HP65  NEMA 12  HP65  HP665  HP666	MODEL  DEGREE OF PROTECTION (FRONT SIDE)  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL  CURRENT (IE)  SCREW SIZE  M3.5, Term  15 g, Mechanical  MACCORDING  SCREW SIZE  M3.5, Term  15 g, Mechanical  Maccording 60068-2-27 sinusoidal  1.6 x le (with operation duty factor 2 x le (with operation duty factor 1.3 x le (with o	switch
DEGREE OF PROTECTION (FRONT SIDE)   IP65   NEMA 12	DEGREE OF PROTECTION (FRONT SIDE)  INSCRIPTION  LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  H3.5, Term  15 g, Mechanical According 60068-2-27 sinusoidal  1.6 x le (with operation duty factor 2 x le (with operation duty factor 1.3 x	switch
INSCRIPTION  INSCRIPTION  IFESPAN, MECHANICAL  A00,000 Operations  440 V AC, Between the contacts, According to EN 61140  20 A at AC-3, 230 V stardelta 20 A at AC-3, 400 V stardelta 20 A at AC-3, 690 V stardelta 15.6 A at AC-3, 500 V stardelta 15.6 A at AC-3, 690 V stardelta 15.6 A at	INSCRIPTION	
LIFESPAN, MECHANICAL  400,000 Operations  440 V AC, Between the contacts, According to EN 61140  20 A at AC-3, 230 V stardelta 20 A at AC-3, 400 V stardelta 20 A at AC-3, 690 V stardelta 15.6 A at AC-3, 500 V stardelta 15.6 A at AC-3, 500 V stardelta  SCREW SIZE  M3.5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  1.6 x le (with intermittent operation class 12, 40 % duty factor) 2 x le (with intermittent operation class 12, 25 % duty factor) 1.3 x le (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY  10A, IU, (UL/CSA)  8.8 lb-in, Screw terminals 1 Nm, Screw terminals	LIFESPAN, MECHANICAL  SAFE ISOLATION  RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  SHOCK RESISTANCE  CONTACTS SHOCK RESISTANCE  SHOCK RESISTANCE  CONTACTS SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  SUITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V  20 A at ACcording contacts, 461140  20 A at ACcording 20 A at ACcording 8.5 A at ACcording 60068-2-27 sinusoidal  1.6 x l <sub>e</sub> (with operation duty factor 1.3 x	
SAFE ISOLATION  440 V AC, Between the contacts, According to EN 61140  20 A at AC-3, 230 V stardelta 20 A at AC-3, 400 V stardelta 8.5 A at AC-3, 690 V stardelta 15.6 A at AC-3, 500 V stardelta 15.6 A at AC-3, 690 V starde	SAFE ISOLATION  A440 V AC, E contacts, A 61140  20 A at AC- delta 20 A at AC- delta 15.6 A at AC delta 15.6 A at A delta  SCREW SIZE  M3.5, Term  15 g, Mech According 60068-2-27 sinusoidal  1.6 x l <sub>e</sub> (with operation duty factor 2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.4 x l <sub>e</sub> (with operation duty factor 1.5 x l <sub>e</sub> (with operatio	"
SAFE ISOLATION  contacts, According to EN 61140  20 A at AC-3, 230 V stardelta 20 A at AC-3, 400 V stardelta 8.5 A at AC-3, 690 V stardelta 15.6 A at AC-3, 500 V stardelta 15.6 A at AC-3, 500 V stardelta 15.6 A at AC-3, 500 V stardelta SCREW SIZE  M3.5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  1.6 x I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 2 x I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.3 x I <sub>e</sub> (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY  (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  8.8 Ib-in, Screw terminals 1 Nm, Screw terminals	RATED OPERATIONAL CURRENT (IE)  SCREW SIZE  M3.5, Term 15 g, Mech According 60068-2-27 sinusoidal  LOAD RATING  LOAD RATING  LOAD RATING  LOAD RATING  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  SATE ISOLATION (UL/O A600) (UL/O A	perations
RATED OPERATIONAL CURRENT (IE)  RATED OPERATIONAL CURRENT (IE)  8.5 A at AC-3, 690 V stardelta 8.5 A at AC-3, 500 V stardelta 15.6 A at AC-3, 500 V stardelta  SCREW SIZE  M3.5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  1.6 x le (with intermittent operation class 12, 40 % duty factor) 2 x le (with intermittent operation class 12, 25 % duty factor) 1.3 x le (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  8.8 lb-in, Screw terminals 1 Nm, Screw terminals	RATED OPERATIONAL CURRENT (IE)  SEREW SIZE  M3.5, Term 15 g, Mech According 60068-2-27 sinusoidal  1.6 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.4 x l <sub>e</sub> (with operation duty factor 1.5 y l <sub>e</sub> (with operation duty factor 1.6 x l <sub>e</sub> (with operation duty factor 1.7 x l <sub>e</sub> (with operation duty factor 1.8 x l <sub>e</sub> (with operation duty factor 1.9 x l <sub>e</sub> (with operation duty factor 1.1 x l <sub>e</sub> (with operation duty factor 1.2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.4 x l <sub>e</sub> (with operation duty factor 1.5 x l <sub>e</sub> (with operation duty factor 1.6 x l <sub>e</sub> (with operation duty factor 1.7 x l <sub>e</sub> (with operation duty factor 1.8 x l <sub>e</sub> (with operation duty factor 1.9 x l <sub>e</sub> (with operation duty factor 1.1 x l <sub>e</sub> (with operation duty factor 1.2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.4 x l <sub>e</sub> (with operation duty factor 1.5 x l <sub>e</sub> (with operation duty factor 1.6 x l <sub>e</sub> (with operation duty factor 1.7 x l <sub>e</sub> (with operation duty factor 1.8 x l <sub>e</sub> (with operation duty factor 1.9 x l <sub>e</sub> (with operation duty factor 1.1 x l <sub>e</sub> (with operation duty factor 1.2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 1.5 x l <sub>e</sub> (with operation duty fact	
SHOCK RESISTANCE  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  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) 1.3 x l <sub>e</sub> (with intermittent operation class 12, 26 % duty factor)  1.3 x l <sub>e</sub> (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY  10A, IU, (UL/CSA)  8.8 lb-in, Screw terminals 1 Nm, Screw terminals	SHOCK RESISTANCE  15 g, Mech According 60068-2-27 sinusoidal  1.6 x l <sub>e</sub> (with operation duty factor 2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty fact	7-3, 400 V star- C-3, 690 V star-
According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  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) 1.3 x l <sub>e</sub> (with intermittent operation class 12, 26 % duty factor)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  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)  1.3 x l <sub>e</sub> (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY	SHOCK RESISTANCE  According 60068-2-27 sinusoidal  1.6 x l <sub>e</sub> (with operation duty factor 2 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 4.3 x l <sub>e</sub> (with operation duty factor 5.3 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub>e</sub> (with operation duty factor 5.3 x l <sub>e</sub> (with operation duty factor 5.3 x l <sub>e</sub> (with operation duty factor 5.3 x l <sub>e</sub> (with operation duty factor 1.3 x l <sub></sub>	ninal screw
coperation class 12, 40 % duty factor) 2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.3 x l <sub>e</sub> (with intermittent operation class 12, 60 % duty factor)  SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  8.8 lb-in, Screw terminals 1 Nm, Screw terminals	LOAD RATING  LOAD	to IEC/EN 7, Half-
(AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  8.8 lb-in, Screw terminals 1 Nm, Screw terminals	(AUXILIARY CONTACTS, GENERAL USE)  TIGHTENING TORQUE  SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V	class 12, 40 % r) n intermittent class 12, 25 % r) th intermittent class 12, 60 %
1 Nm, Screw terminals  SWITCHING CAPACITY	SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)  NUMBER OF CONTACTS IN SERIES AT DC-21A, 240 V	IL/CSA)
SWITCHING CAPACITY	(AUXILIARY CONTACTS, P300 (UL/C A600 (UL/C A	
(AUXILIARY CONTACTS, P300 (UL/CSA)	IN SERIES AT DC-21A, 240 1	
<b>IN SERIES AT DC-21A, 240</b> 1	NUMBER OF CONTACTS	
NUMBER OF CONTACTS IN SERIES AT DC-23A, 120 3	IN SERIES AT DC-23A, 120 3 V	
V	NUMBER OF CONTACTS 1	

IN SERIES AT DC-23A, 24 V	
NUMBER OF CONTACTS IN SERIES AT DC-23A, 240 V	5
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 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
SWITCHING CAPACITY	16 A, Rated uninterrupted

(MAIN CONTACTS, GENERAL USE)	current max. (UL/CSA)
SAFETY PARAMETER (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
SHORT-CIRCUIT PROTECTION RATING	20 A gG/gL, Fuse, Contacts
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
SUITABLE FOR	Ground mounting Intermediate mounting Branch circuits, suitable as motor disconnect, (UL/CSA) Front mounting
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
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 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 POWER AT AC-23A, 500 V,	7.5 kW

50 HZ	
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	5.5 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 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
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RATED UNINTERRUPTED CURRENT (IU)	20 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0 W
SWITCHING ANGLE	60 °
VOLTAGE PER CONTACT PAIR IN SERIES	60 V
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT)	10 kA, SCCR (UL/CSA) 20 A, Class J, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	5 kA, SCCR (UL/CSA) 50A, max. Fuse, SCCR (UL/CSA)
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE AWG)	18 - 14
TERMINAL CAPACITY	1 x (1 - 2.5) mm <sup>2</sup> 2 x (1 - 2.5) mm <sup>2</sup>
(SOLID/STRANDED)	
UNINTERRUPTED CURRENT	Rated uninterrupted current lu is specified for max. cross-section.

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
ПП:	



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