## Eaton 207357

Eaton Moeller® series P3 On-Off switch, P3, 63 A, surface mounting, 3 pole, Emergency switching off function, with red thumb grip and yellow front plate

PRODUCT NAME	Eaton Moeller® series P3 On-off switch
CATALOG NUMBER	207357
PRODUCT LENGTH/DEPTH	124 mm
PRODUCT HEIGHT	180 mm
PRODUCT WIDTH	160 mm
PRODUCT WEIGHT	1.002 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	EN 60947-3 IEC 60947 UL 508 CSA Std. C22.2 No. 14-05 VDE CSA UL IEC/EN 60947 IEC/EN 60947-3 VDE 0660 IEC/EN 60204
CATALOG NOTES	Rated Short-time Withstand Current (Icw) for a time of 1 second



PRODUCT CATEGORY	On-Off switch
FEATURES	Version as emergency stop installation
ACTUATOR COLOR	Red
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

eaton-rotary-switches-p3-63-p3-80-p3-100-cam-switch-disconnector-p3-instruction-leaflet-il03801010z.pdf
eaton-rotary-switches-on- off-switch-p3-main-switch- wiring-diagram.eps
eaton-rotary-switches-p3- on-off-switch-dimensions- 003.eps
eaton-rotary-switches- front-plate-t0-on-off- switch-symbol-003.eps

10.3 DEGREE OF PROTECTION OF ASSEMBLIES  10.4 CLEARANCES AND CREEPAGE DISTANCES  10.5 PROTECTION AGAINST ELECTRIC SHOCK  10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS  10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.	
PROTECTION OF ASSEMBLIES  10.4 CLEARANCES AND CREEPAGE DISTANCES  10.5 PROTECTION AGAINST ELECTRIC SHOCK  10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS  10.7 INTERNAL ELECTRICAL CIRCUITS  entire switchgear needs to evaluated.  Is the panel builder's responsibility.	
CREEPAGE DISTANCES  10.5 PROTECTION  AGAINST ELECTRIC SHOCK  10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS  10.7 INTERNAL ELECTRICAL CIRCUITS  standard's requirements  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility	:0
AGAINST ELECTRIC SHOCK  10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS  10.7 INTERNAL ELECTRICAL CIRCUITS  entire switchgear needs to be evaluated.  Is the panel builder's responsibility.	:0
SWITCHING DEVICES AND components entire switchgear needs to be evaluated.  10.7 INTERNAL ELECTRICAL CIRCUITS Is the panel builder's responsibility.	
Is the panel builder's responsibility	
<b>10.8 CONNECTIONS FOR</b> Is the panel builder's responsibility.	
10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH  Is the panel builder's responsibility.	
10.9.3 IMPULSE Is the panel builder's responsibility.	
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL  Is the panel builder's responsibility.	
FITTED WITH:  Red thumb grip and yello front plate	W
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 6000 V AC (UIMP)	
RATED PERMANENT CURRENT AT AC-21, 400 V	
RATED PERMANENT CURRENT AT AC-23, 400 V	
RATED UNINTERRUPTED 63 A	
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT  O W	
PVS	_

ACCESSORIES  AUXIliary contact or neutral conductor fitted by user.  RATED OPERATIONAL POWER AT AC-3, 500 V, 50  DEVICE CONSTRUCTION  RATED SHORT-TIME MITHSTAND CURRENT 1.26 kA  CONNECTION TYPE OF MITHSTAND CURRENT 1.26 kA  CONNECTION TYPE OF MOUNTING POSITION AS required  ACTUATOR TYPE Short thumb-grip  AMBIENT OPERATING FEMPERATURE - MAX  AMBIENT OPERATING FEMPERATURE 40 °C  ANDERSTORE AUX ABBIENT OPERATING FEMPERATURE 40 °C  AND STANDARD AUX ABBIENT OPERATING FEMPERATURE 40 °C  AND STANDARD AUX		
RACCESSORIES  RATED OPERATIONAL POWER AT AC-3, 500 V, 50  DEVICE CONSTRUCTION  Complete device in housing  RATED SHORT-TIME MITHSTAND CURRENT LICW)  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  MOUNTING POSITION  AS required  ACTUATOR TYPE  Short thumb-grip  AMBIENT OPERATING FEMPERATURE - MAX  AMBIENT OPERATING FEMPERATURE - MIN  AMBIENT OPERATING FEMPERATURE - WIN  AMBIENT OPERATING FEMPERATURE - WIN  AMBIENT OPERATING FEMPERATURE - WIN  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 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 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 FOWER AT 575/600 V,	VOLTAGE PER CONTACT PAIR IN SERIES	60 V
POWER AT AC-3, 500 V, 50 HZ  POWICE CONSTRUCTION  Complete device in housing  RATED SHORT-TIME MITHSTAND CURRENT ICW)  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  MOUNTING POSITION  AS required  Short thumb-grip  AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE WIN  AMBIENT OPERATING TEMPERATURE SENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE SENCLOSED) - 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 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 460/480 V, 60 HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 FOWER AT 575/600 V	ACCESSORIES	neutral conductor fitted by
RATED SHORT-TIME MITHSTAND CURRENT LICW)  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  MOUNTING POSITION AS required  ACTUATOR TYPE  AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE - 25 °C  ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE -25 °C  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 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 460/480 V, 60 HZ, 3-PHASE ASSIGNED MOTOR POWER AT 450/480 V, 60 HZ, 3-PHASE ASSIGNED MOTOR POWER AT 450/480 V, 60 POWER AT 450/480 V, 60 POWER AT 575/600 V, 60	RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ	30 kW
MITHSTAND CURRENT (ICW)  ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT  MOUNTING POSITION  AS required  ACTUATOR TYPE  AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE - 25 °C  AMBIENT OPERATING TEMPERATURE - 25 °C  AMBIENT OPERATING TEMPERATURE - 25 °C  ASSIGNED MOTOR POWER AT 115/120 V, 60 3 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 7.5 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 450/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 450/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	DEVICE CONSTRUCTION	
CONNECTION TYPE OF MAIN CIRCUIT  MOUNTING POSITION  AS required  ACTUATOR TYPE  AMBIENT OPERATING FEMPERATURE - MAX  AMBIENT OPERATING FEMPERATURE - MIN  AMBIENT OPERATING FEMPERATURE FENCLOSED) - MAX  AMBIENT OPERATING FEMPERATURE FENCLOSED) - 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  POWER AT 460/480 V, 60  POWER AT 575/600 V, 60  FOWER	RATED SHORT-TIME WITHSTAND CURRENT (ICW)	1.26 kA
ACTUATOR TYPE  AMBIENT OPERATING TEMPERATURE - MAX  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE - MIN  AMBIENT OPERATING TEMPERATURE 40 °C  ENCLOSED) - MAX  AMBIENT OPERATING TEMPERATURE -25 °C  ENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 3 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 7.5 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 15 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 50 HP	ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
AMBIENT OPERATING FEMPERATURE - MAX  AMBIENT OPERATING FEMPERATURE - MIN  AMBIENT OPERATING FEMPERATURE 40 °C  ENCLOSED) - MAX  AMBIENT OPERATING FEMPERATURE -25 °C  ENCLOSED) - MIN  ASSIGNED MOTOR FOWER AT 115/120 V, 60 3 HP  HZ, 1-PHASE  ASSIGNED MOTOR FOWER AT 200/208 V, 60 7.5 HP  HZ, 1-PHASE  ASSIGNED MOTOR FOWER AT 200/208 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR FOWER AT 230/240 V, 60 10 HP  HZ, 1-PHASE  ASSIGNED MOTOR FOWER AT 230/240 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR FOWER AT 460/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR FOWER AT 460/480 V, 60 50 HP	MOUNTING POSITION	As required
AMBIENT OPERATING FEMPERATURE - MIN  AMBIENT OPERATING FEMPERATURE 40 °C FENCLOSED) - MAX  AMBIENT OPERATING FEMPERATURE -25 °C FENCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 3 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 7.5 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	ACTUATOR TYPE	Short thumb-grip
AMBIENT OPERATING TEMPERATURE 40 °C TEMPERATURE 40 °C TEMPERATURE 40 °C TEMPERATURE -25 °	AMBIENT OPERATING TEMPERATURE - MAX	40 °C
TEMPERATURE TEMPER	AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
TEMPERATURE TEMPERATURE TEMCLOSED) - MIN  ASSIGNED MOTOR POWER AT 115/120 V, 60 3 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 7.5 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP  HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP  HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 50 HP	AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
POWER AT 115/120 V, 60 3 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 7.5 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 50 HP	AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
POWER AT 200/208 V, 60 7.5 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 200/208 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 50 HP	ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE	3 HP
POWER AT 200/208 V, 60 15 HP HZ, 3-PHASE ASSIGNED MOTOR POWER AT 230/240 V, 60 10 HP HZ, 1-PHASE ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP HZ, 3-PHASE ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE	7.5 HP
POWER AT 230/240 V, 60 10 HP HZ, 1-PHASE  ASSIGNED MOTOR POWER AT 230/240 V, 60 15 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	15 HP
POWER AT 230/240 V, 60 15 HP HZ, 3-PHASE ASSIGNED MOTOR POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	10 HP
POWER AT 460/480 V, 60 40 HP HZ, 3-PHASE  ASSIGNED MOTOR POWER AT 575/600 V, 60 50 HP	ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	15 HP
POWER AT 575/600 V, 60 50 HP	ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	40 HP
<del>-</del>	ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	50 HP

EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID  HEAT DISSIPATION CAPACITY PDISS  HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NUMBER OF AUXILIARY CONTACTS (CHANGE- OVER CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  OVERVOLTAGE CATEGORY  III  CONTROL CIRCUIT RELIABILITY  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION POLES  MOUNTING METHOD  DEGREE OF PROTECTION SUITABLE FOR  Ground mounting  FUNCTIONS  NEMA 12  SUITABLE FOR  Ground mounting  FUNCTIONS  NEMA 12  SUITABLE FOR  Ground mounting  FUNCTIONS  NEMA 12  SUITABLE FOR  Ground mounting  FUNCTIONS  1 g, Mechanical, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  1 3 x le (with intermittent operation class 12, 25 % duty factor) 1.5 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 60 %		
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID  NUMBER OF AUXILIARY CONTACTS (CHANGE- OVER CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  OVERVOLTAGE CATEGORY  III  CONTROL CIRCUIT RELIABILITY  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION SUITABLE FOR  FUNCTIONS  FUNCTIONS  FUNCTIONS  SAFE ISOLATION  SAFE ISOLATION  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to EN 60140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  O  O  AUXILIARY  A.5 W  4 kA (Load side) 100 kA (Supply side)  1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)  IP65  Three-pole  MOUNTING METHOD  Surface mounting  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  O  With intermittent operation class 12, 25 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent	DISSIPATION, CURRENT-	4.5 W
POLE, CURRENT-DEPENDENT PVID  NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  OVERVOLTAGE CATEGORY  III  CONTROL CIRCUIT RELIABILITY  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION NEMA 12  SUITABLE FOR  Ground mounting  FUNCTIONS  FUNCTIONS  NUMBER OF SWITCHES  1  SAFE ISOLATION  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  LOAD RATING  LOAD RATING  1.6 × I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.6 × I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 × I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 × I <sub>e</sub> (with intermittent toperation class 12, 40 % duty factor) 1.3 × I <sub>e</sub> (with intermittent		0 W
CONTACTS (CHANGE- OVER CONTACTS)  NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  OVERVOLTAGE CATEGORY  III  CONTROL CIRCUIT RELIABILITY  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION DEGREE OF PROTECTION SUITABLE FOR  FUNCTIONS  FUNCTIONS  SUITABLE FOR  Ground mounting  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  LOAD RATING  LOAD RATING  O  CONTROL CIRCUIT A kA (Load side) 100 kA (Load side) 100 kA (Load side) 100 kA (Load side) 100 kA (Supply side)  III  4 kA (Load side) 100,000 Switching off 100 switching operations  1 P65  Three-pole  MOUNTING METHOD  SUIFACE mounting  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  LOAD RATING  O  1.6 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent	POLE, CURRENT-	4.5 W
CONTACTS (NORMALLY CLOSED CONTACTS)  RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)  OVERVOLTAGE CATEGORY  III  CONTROL CIRCUIT Switching operations statistically determined, at 24 V DC, 10 mA)  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES Three-pole  MOUNTING METHOD Surface mounting  DEGREE OF PROTECTION NEMA 12  SUITABLE FOR Ground mounting  FUNCTIONS Emergency switching off function  NUMBER OF SWITCHES 1  SAFE ISOLATION 240 V AC, Between the contacts, According to EN 61140  SCREW SIZE M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  LIFESPAN, MECHANICAL 100,000 Operations  LIFESPAN, MECHANICAL 100,000 Operations  2 x I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 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, 40 % duty factor) 1.3 x I <sub>e</sub> (with intermittent	CONTACTS (CHANGE-	0
SHORT-CIRCUIT CURRENT (IQ)  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)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION SUITABLE FOR  FUNCTIONS  FUNCTIONS  SUITABLE FOR  Ground mounting  Emergency switching off function  NUMBER OF SWITCHES  1  SAFE ISOLATION  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  4 kA (Load side) 100 kA (Supply side)  III  4 failure per 100,000 Switching operations  4 V DC, 10 mA)  PP65  Three-pole  Surface mounting  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  1.6 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent	CONTACTS (NORMALLY	0
CATEGORY  1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  MOUNTING METHOD  DEGREE OF PROTECTION NEMA 12  SUITABLE FOR  FUNCTIONS  SUITABLE FOR  FUNCTIONS  SAFE ISOLATION  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  1 failure per 100,000 switching operations at 12, 25 % duty factor) 1.6 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent ope	SHORT-CIRCUIT CURRENT	
CONTROL CIRCUIT RELIABILITY  Switching operations statistically determined, at 24 V DC, 10 mA)  DEGREE OF PROTECTION (FRONT SIDE)  NUMBER OF POLES  Three-pole  MOUNTING METHOD  Surface mounting  DEGREE OF PROTECTION NEMA 12  SUITABLE FOR  Ground mounting  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  LOAD RATING  LOAD RATING  Switching operations  Acquire (with intermittent operation class 12, 25 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent		Ш
IP65   IP65   IP65     NUMBER OF POLES   Three-pole     MOUNTING METHOD   Surface mounting     DEGREE OF PROTECTION   NEMA 12     SUITABLE FOR   Ground mounting     Emergency switching off function     NUMBER OF SWITCHES   1     SAFE ISOLATION   440 V AC, Between the contacts, According to EN 61140     SCREW SIZE   M5, Terminal screw     SHOCK RESISTANCE   15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms     LIFESPAN, MECHANICAL   100,000 Operations     2 x le (with intermittent operation class 12, 25 % duty factor)     1.6 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.3 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with intermittent operation class 12, 40 % duty factor)     1.5 x le (with inte		switching operations statistically determined, at
MOUNTING METHODSurface mountingDEGREE OF PROTECTIONNEMA 12SUITABLE FORGround mountingFUNCTIONSEmergency switching off functionNUMBER OF SWITCHES1SAFE ISOLATION440 V AC, Between the contacts, According to EN 61140SCREW SIZEM5, Terminal screwSHOCK RESISTANCE15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 msLIFESPAN, MECHANICAL100,000 OperationsLIFESPAN, MECHANICAL100,000 OperationsLOAD RATING2 x le (with intermittent operation class 12, 25 % duty factor) 1.6 x le (with intermittent operation class 12, 40 % duty factor) 1.3 x le (with intermittent		IP65
DEGREE OF PROTECTIONNEMA 12SUITABLE FORGround mountingFUNCTIONSEmergency switching off functionNUMBER OF SWITCHES1SAFE ISOLATION440 V AC, Between the contacts, According to EN 61140SCREW SIZEM5, Terminal screwSHOCK RESISTANCE15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 msLIFESPAN, MECHANICAL100,000 OperationsLIFESPAN, MECHANICAL100,000 OperationsLOAD RATING2 x le (with intermittent operation class 12, 25 % duty factor)1.6 x le (with intermittent operation class 12, 40 % duty factor)1.3 x le (with intermittent	NUMBER OF POLES	Three-pole
SUITABLE FORGround mountingFUNCTIONSEmergency switching off functionNUMBER OF SWITCHES1SAFE ISOLATION440 V AC, Between the contacts, According to EN 61140SCREW SIZEM5, Terminal screwSHOCK RESISTANCE15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 msLIFESPAN, MECHANICAL100,000 OperationsLIFESPAN, MECHANICAL100,000 Operation class 12, 25 % duty factor)LOAD RATING1.6 x le (with intermittent operation class 12, 40 % duty factor)1.3 x le (with intermittent	MOUNTING METHOD	Surface mounting
FUNCTIONS  Emergency switching off function  NUMBER OF SWITCHES  1  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  LIFESPAN, MECHANICAL  100,000 Operations  2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)  1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor)  1.3 x l <sub>e</sub> (with intermittent	DEGREE OF PROTECTION	NEMA 12
FUNCTIONS  function  NUMBER OF SWITCHES  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Halfsinusoidal shock 20 ms  LIFESPAN, MECHANICAL  100,000 Operations  2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)  1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor)  1.3 x l <sub>e</sub> (with intermittent	SUITABLE FOR	Ground mounting
SAFE ISOLATION  440 V AC, Between the contacts, According to EN 61140  SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  100,000 Operations  2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)  1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor)  1.3 x l <sub>e</sub> (with intermittent	FUNCTIONS	
SCREW SIZE  M5, Terminal screw  15 g, Mechanical, According to IEC/EN 60068-2-27, Half- sinusoidal shock 20 ms  LIFESPAN, MECHANICAL  100,000 Operations  2 x l <sub>e</sub> (with intermittent operation class 12, 25 % duty factor) 1.6 x l <sub>e</sub> (with intermittent operation class 12, 40 % duty factor) 1.3 x l <sub>e</sub> (with intermittent	NUMBER OF SWITCHES	1
SHOCK RESISTANCE	SAFE ISOLATION	contacts, According to EN
SHOCK RESISTANCE	SCREW SIZE	M5, Terminal screw
$ 2 \times I_e \text{ (with intermittent operation class 12, 25 \% }                                 $	SHOCK RESISTANCE	According to IEC/EN 60068-2-27, Half-
coperation class 12, 25 % duty factor)  1.6 $\times$ I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor)  1.3 $\times$ I <sub>e</sub> (with intermittent	LIFESPAN, MECHANICAL	100,000 Operations
	LOAD RATING	operation class 12, 25 % duty factor) $1.6 \times I_e$ (with intermittent operation class 12, 40 % duty factor) $1.3 \times I_e$ (with intermittent

	duty factor)
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10A, IU, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600 (UL/CSA) P600 (UL/CSA)
TERMINAL CAPACITY	2 x (2.5 - 10) mm <sup>2</sup> , solid or stranded 1 x (2.5 - 35) mm <sup>2</sup> , solid or stranded 1 x (1.5 - 25) mm <sup>2</sup> , flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm <sup>2</sup> , flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule
SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)	60 A, Rated uninterrupted current max. (UL/CSA)
SAFETY PARAMETER (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
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 IN SERIES AT DC-23A, 60 V	2
RATED BREAKING CAPACITY AT 220/230 V (COS PHI TO IEC 60947-3)	640 A
RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)	600 A
RATED BREAKING CAPACITY AT 500 V (COS PHI TO IEC 60947-3)	590 A
RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)	340 A
RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)	800 A

RATED OPERATING VOLTAGE (UE) - MAX	690 V
RATED OPERATING VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	10 kA, SCCR (UL/CSA) 150A, max. Fuse, SCCR (UL/CSA)
SHORT-CIRCUIT PROTECTION RATING	80 A gG/gL, Fuse, Contacts
RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V	63 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 230 V	63 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V	63 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V	63 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V	63 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	51 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	55 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V	44 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	22.1 A
RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS	63 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	50 A

CURRENT (IE) AT DC-23A, 48 V	
RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V	50 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	63 A
RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ	18.5 kW
RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ	30 kW
RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ	45 kW
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	55 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	30 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	30 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	30 kW
TIGHTENING TORQUE	26.5 lb-in, Screw terminals 3 Nm, Screw terminals
UNINTERRUPTED CURRENT	Rated uninterrupted current lu is specified for max. cross-section.
RATED SWITCHING CAPACITY	10 HP at 240 V AC, single-phase 15 HP at 200 V AC, three-phase 15 HP at 240 V AC, three-phase 3 HP at 120 V AC, single-phase 40 HP at 480 V AC, three-phase 50 HP at 600 V AC, three-phase 7.5 HP at 200 V AC, single-phase

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	



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