

Specifications



La foto es representativa



Eaton 259141

Eaton Moeller series NZM - Molded Case Circuit Breaker. Switch-disconnector 3p, 100A

Especificaciones generales

PRODUCT NAME	Eaton Moeller series NZM switch-disconnector
CATALOG NUMBER	259141
EAN	4015082591410
PRODUCT LENGTH/DEPTH	88 mm
PRODUCT HEIGHT	145 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	0.849 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC IEC/EN 60947
MODEL CODE	PN1-100

Datos técnicos - eléctricos	
VOLTAGE RATING	690 V - 690 V
RATED OPERATING VOLTAGE (UE) AT AC - MAX	690 V
RATED INSULATION VOLTAGE (UI)	690 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS	6000 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS	6000 V
RATED OPERATIONAL CURRENT	160 A (415 V AC-22/23A, making and breaking capacity) 160 A (690 V AC-22/23A, making and breaking capacity)
RATED PERMANENT CURRENT AT AC-21, 400 V	0 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT WITH BACK-UP FUSE	80 kA at 690 V 100 gG/gL 100 kA at 400/415 V
RATED CONDITIONAL SHORT-CIRCUIT CURRENT WITH DOWNSTREAM FUSE	100 kA at 400/415 V 10 kA at 690 V 100 gG/gL
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	2 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 0.3 S)	2 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)	2 kA
AMPERAGE RATING	100 A
RATED OPERATING FREQUENCY	50 Hz
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ	2.8 kA
RATED OPERATING POWER AT AC-3, 400 V	0 kW
RATED OPERATING POWER AT AC-23, 400 V	55 kW
SWITCHING POWER AT 400 V	0 kW
SHORT-CIRCUIT PROTECTIVE DEVICE FUSES - MAX	125 A gL
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Frame clamp
ISOLATION	500 V AC (between auxiliary contacts and main contacts) 300 V AC (between the

Datos técnicos - comunicación	
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT AUXILIARY CONTACTS	6000 V
RATED IMPULSE WITHSTAND VOLTAGE (UIMP) AT MAIN CONTACTS	6000 V
RATED OPERATIONAL CURRENT	160 A (415 V AC-22/23A, making and breaking capacity) 160 A (690 V AC-22/23A, making and breaking capacity)
RATED PERMANENT CURRENT AT AC-21, 400 V	0 A
RATED PERMANENT CURRENT AT AC-23, 400 V	0 A
RATED CONDITIONAL SHORT-CIRCUIT CURRENT WITH BACK-UP FUSE	80 kA at 690 V 100 gG/gL 100 kA at 400/415 V
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	0 kA
RATED CONDITIONAL SHORT-CIRCUIT CURRENT WITH DOWNSTREAM FUSE	100 kA at 400/415 V 10 kA at 690 V 100 gG/gL
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	2 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 0.3 S)	2 kA
RATED SHORT-TIME WITHSTAND CURRENT (T = 1 S)	2 kA
AMPERAGE RATING	100 A
RATED OPERATING FREQUENCY	50 Hz
RATED SHORT-CIRCUIT MAKING CAPACITY ICM AT 690 V, 50/60 HZ	2.8 kA
RATED OPERATING POWER AT AC-3, 400 V	0 kW
RATED OPERATING POWER AT AC-23, 400 V	55 kW
SWITCHING POWER AT 400 V	0 kW
SHORT-CIRCUIT PROTECTIVE DEVICE FUSES - MAX	125 A gL
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Frame clamp
ISOLATION	500 V AC (between auxiliary contacts and main contacts) 300 V AC (between the auxiliary contacts)

	auxiliary contacts)
NUMBER OF OPERATIONS PER HOUR - MAX	120
HANDLE TYPE	Rocker lever
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	1000 operations at 400 V AC-23A 7500 operations at 690 V AC-1 10000 operations at 400 V AC-1 10000 operations at 415 V AC-1 1000 operations at 415 V AC-23A 1000 operations at 690 V AC-23A
DIRECTION OF INCOMING SUPPLY	As required

NUMBER OF OPERATIONS PER HOUR - MAX	120
HANDLE TYPE	Rocker lever
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
LIFESPAN, ELECTRICAL	1000 operations at 400 V AC-23A 7500 operations at 690 V AC-1 10000 operations at 400 V AC-1 10000 operations at 415 V AC-1 1000 operations at 415 V AC-23A 1000 operations at 690 V AC-23A
DIRECTION OF INCOMING SUPPLY	As required

Datos técnicos - mecánicos

MOUNTING METHOD	Built-in device fixed built-in technique Distribution board installation Fixed Intermediate mounting Ground mounting
DEGREE OF PROTECTION	IP20 (basic protection type, in the area of the HMI devices) Other
DEGREE OF PROTECTION (IP), FRONT SIDE	IP20 IP40 (with insulating surround) IP66 (with door coupling rotary handle)
DEGREE OF PROTECTION (TERMINATIONS)	IP10 (tunnel terminal) IP00 (terminations, phase isolator and band terminal)
PROTECTION AGAINST DIRECT CONTACT	Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
SHOCK RESISTANCE	20 g (half-sinusoidal shock 20 ms)
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 SWITCHES	1
HANDLE COLOR	Black

Recursos

DECLARATIONS OF CONFORMITY	DA-DC-03 PN1 DA-DC-03 N1
DIBUJOS	123X039 123X506 eaton-circuit-breaker-nzm-mccb-dimensions-017.eps eaton-circuit-breaker-switch-nzm-mccb-dimensions-014.eps
ECAD MODEL	ETN.PN1-100
INSTRUCCIONES DE MONTAJE	eaton-circuit-breaker-switch-disconnector-nzmb-il01203004z.pdf DA-CS-nzm1 3p eaton-cadenas-side view-nzm1 3p side.pra DA-CD-nzm1 3p
MCAD MODEL	eaton-cadenas-path-circuit breaker-assemblies-nzm1 3p asmtpl.prj eaton-cadenas-front view-nzm1 3p front.pra

SWITCH POSITIONS	I, 0
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
LIFESPAN, MECHANICAL	20000 operations

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
FECHA:



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