



Eaton 120937

Eaton Moeller® series PKZ-SOL String circuit-breaker, DC current, 2p, 12A

□□□□

PRODUCT NAME	Eaton Moeller® series PKZ-SOL String circuit- breaker
CATALOG NUMBER	120937
PRODUCT LENGTH/DEPTH	93 mm
PRODUCT HEIGHT	76 mm
PRODUCT WIDTH	58 mm
PRODUCT WEIGHT	0.308 kg
CERTIFICATIONS	IEC 60947-2 EN 60947-2 IEC/EN 60947-2

FEATURES	Complete device with protection unit
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	Meets the product standard's requirements.
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.
10.4 CLEARANCES AND	Meets the product

CHARACTERISTIC CURVE	eaton-motorstarters-pkz-sol-string-circuit-breaker-characteristic-curve.eps
DECLARATIONS OF CONFORMITY	eaton-string-circuit-breaker-declaration-of-conformity-uk251263en.pdf
□□□□□	IL03402020Z
□□	eaton-contactors-mounting-pkz-sol-string-circuit-breaker-dimensions.eps eaton-manual-motor-starters-mounting-pkz-sol-string-circuit-breaker-dimensions.eps eaton-manual-motor-starters-pkz-sol-string-circuit-breaker-3d-drawing.eps

CREEPAGE DISTANCES	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	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
MOUNTING METHOD	DIN rail (top hat rail) mounting optional Top-hat rail fixing (according to IEC/EN 60715, 35 mm)
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
ACTUATOR TYPE	Turn button
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MAX	0 A
ADJUSTMENT RANGE SHORT-TERM DELAYED SHORT-CIRCUIT RELEASE - MIN	0 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	72 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	72 A
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	4.5 W
HEAT DISSIPATION	0 W

CAPACITY PDISS	
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.5 W
INTERNAL RESISTANCE	31 mΩ
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
CONNECTION	Screw terminals
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
DESIGN	Open
DEGREE OF PROTECTION	IP20
NUMBER OF POLES	Two-pole
TYPE	Breaker
APPLICATION	• Open areas • Utility buildings
PROTECTION CLASS	2
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
POSITION OF CONNECTION FOR MAIN CURRENT CIRCUIT	Other
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
OVERLOAD RELEASE CURRENT SETTING - MAX	12 A
OVERLOAD RELEASE CURRENT SETTING - MIN	8 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	900 V
RATED OPERATIONAL VOLTAGE (UE) - MIN	900 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	12 A
RATED UNINTERRUPTED CURRENT (IU)	12 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

PRODUCT CATEGORY	• String circuit-breakers • Switchgear for photovoltaic systems
------------------	---

RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC	0 kA
SUITABLE FOR	DIN rail (top hat rail) mounting
SHORT-CIRCUIT RELEASE	6 x Ie
RATED OPERATIONAL CURRENT (IE)	12 A at AC-21A
SHORT-CIRCUIT CURRENT	5 - 9 A, Ics, Admissible short-circuit current for solar modules
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (1 - 6) mm ² , ferrule to DIN 46228 1 x (1 - 6) mm ² , ferrule to DIN 46228
POWER LOSS	4.5 W

□□□□:
□□□□:
□□□:
□□: