

Specifications



Eaton 199537

Eaton PV Main switch, T3, 32 A, surface mounting, 1 contact unit(s), 2 pole, STOP function, Lockable in the 0 (Off) position

General specifications

PRODUCT NAME	Eaton PV maintenance switch
CATALOG NUMBER	199537
MODEL CODE	PV-32A-2P-AC-I2/SVB-SW
EAN	5027590552172
PRODUCT LENGTH/DEPTH	137 mm
PRODUCT HEIGHT	110 mm
PRODUCT WIDTH	80 mm
PRODUCT WEIGHT	274 g
COMPLIANCES	CE

Actuator

ACTUATOR COLOR	Black
ACTUATOR TYPE	Door coupling rotary drive

Contacts

NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0

Design verification

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.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION	Does not apply, since the

Electrical rating

RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ 15 kW

RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ 11 kW

RATED UNINTERRUPTED CURRENT (IU) 32 A

AGAINST ELECTRIC SHOCK	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.

Features & functions

FEATURES	Version as main switch Version as maintenance-/service switch
FUNCTIONS	Interlockable
NUMBER OF POLES	Two-pole

Short-circuit rating

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	0.65 kA

General information

DEGREE OF PROTECTION	NEMA Other
DEGREE OF PROTECTION (FRONT SIDE)	IP20
SUITABLE FOR	Ground mounting

Resources

BROCHURES	Brochure - PV maintenance switch for safe maintenance of PV inverters
CATALOGUES	Datasheet - Technical Data - PV maintenance switch
DECLARATIONS OF CONFORMITY	eaton-maintenance-switch-declaration-of-conformity-uk251108en.pdf eaton-maintenance-switch-declaration-of-conformity-eu250625en.pdf
DRAWINGS	eaton-rotary-switches-pv-main-switch-dimensions-002.eps
INSTALLATION INSTRUCTIONS	eaton-switch-disconnector-pv-25a-pv-32a-insulated-enclosures-instruction-leaflet-il008061zu.pdf

INSTALLATION VIDEOS

[Video PV Maintenance switch](#)

[PV Maintenance switch for safe maintenance of PV inverters](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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