DATASHEET - PV-DIS-06-125/2

Switch disconnector, DC, 600V, 125 A

Part no. **PV-DIS-06-125/2**
179258

Powering Business Worldwide

General specifications

Product name	Eaton Distribution parts
Part no.	PV-DIS-06-125/2
EAN	4015081743452
Product Length/Depth	113 millimetre
Product height	77 millimetre
Product width	54 millimetre
Product weight	0.44 kilogram
Compliances	RoHS conform VDE
Product Tradename	None
Product Type	Distribution parts
Product Sub Type	None
Public Consumption	Yes
PDH Status	Active
Product Family Description	ES-PMCC-PDC-Eaton Distribution parts
Globally Marketable	Yes

Product Specification Details

Actuator color	Gray
Actuator type	Rocker lever
Ambient operating temperature - max	40 °C
Ambient operating temperature - min	-20 °C
Ambient operating temperature details	-20 °C - 40 °C (40 °C - 75 °C derating)
Ambient storage temperature - max	75 °C
Ambient storage temperature - min	-40 °C
Application	Utility buildings Residential buildings Open areas
Cable material	Copper, Cu
Climatic proofing	IEC 60947-2
Contact rating at DC - max	100 %
Degree of protection	IP40 (when fitted) IP20 Other
Degree of protection (front side)	IP20
Device construction	Built-in device fixed built-in technique
Electrical connection type of main circuit	Frame clamp
Features	Version as maintenance-/service switch
Functions	Voltage release optional
Isolation	Safe electrical isolation
Mounting position	As required
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 poles	Two-pole
Number of switches	1
Power rating at AC-23, 400 V	0 kW
Power rating at AC-3, 400 V	0 kW
Rated conditional short-circuit current (Iq)	0 kA
Rated impulse withstand voltage (Uimp)	4 kV
Rated insulation voltage (Ui)	630 V

Rated operating voltage (Ue) - max		1000 V
Rated operating voltage (Ue) - min		600 V
Rated operating voltage (Ue) at AC - max		0 V
Rated permanent current at AC-21, 400 V		0 A
Rated permanent current at AC-23, 400 V		0 A
Rated short-time withstand current (Icw)		1500 kA
Rated uninterrupted current (Iu)		0 A
Shock resistance		IEC 60947-2
Special features		String protection of the PV generator Mechanical and electrical operations acc. to IEC 60947-3. Category of utilization DC-PV2 or DC-PV1 Ambient temperature hint: Maximum operating temperature is 75 °C in accordance with the de-rating table
Suitable for		Distribution board installation
Switching power at 400 V		0 kW
Terminal dimensions		2.5 mm^2 - 50 mm^2
Type		Photovoltaik switch-disconnector
Utilization category		DC-PV1 (EN 60947-3) DC-PV (EN 60947-3)
Voltage rating		600 V
Width in number of modular spacings		3

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

Version as main switch		No
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	0
Rated operating voltage	V	600 - 1000
Rated permanent current Iu	A	0
Rated permanent current at AC-23, 400 V	A	0
Rated permanent current at AC-21, 400 V	A	0
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current Icw	kA	1500
Rated operation power at AC-23, 400 V	kW	0
Switching power at 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	0
Number of poles		2
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
Motor drive optional		No
Motor drive integrated		No
Voltage release optional		Yes
Device construction		Built-in device fixed built-in technique
Suitable for floor mounting		No
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		Yes
Suitable for intermediate mounting		No
Colour control element		Grey
Type of control element		Rocker lever
Interlockable		No

Type of electrical connection of main circuit			Frame clamp
With pre-assembled cabling			No
Degree of protection (IP), front side			IP20
Degree of protection (NEMA)			Other
Width		mm	54
Height		mm	77
Depth		mm	113
Width in number of modular spacings			3

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