# DATASHEET - PV-DIS-06-63/2

**Switch disconnector, DC, 600V, 63 A**

**Part no.** **PV-DIS-06-63/2**
**179257**

## General specifications

| | |
|---|---|
| Product name | Eaton Distribution parts |
| Part no. | PV-DIS-06-63/2 |
| EAN | 4015081743445 |
| Product Length/Depth | 113 millimetre |
| Product height | 77 millimetre |
| Product width | 54 millimetre |
| Product weight | 0.44 kilogram |
| Compliances | RoHS conform<br>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<br>Residential buildings<br>Open areas |
| Cable material | Copper, Cu |
| Climatic proofing | IEC 60947-2 |
| Contact rating at DC - max | 100 % |
| Degree of protection | Other<br>IP20<br>IP40 (when fitted) |
| 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) | 756 kA |
| Rated uninterrupted current (Iu) | 0 A |
| Shock resistance | IEC 60947-2 |
| Special features | String protection of the PV generator<br>Mechanical and electrical operations acc. to IEC 60947-3. Category of utilization DC-PV2 or DC-PV1<br>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-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 | 756 |
| 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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