# Product data sheet
## Characteristics

# SOL40F3A200
Circuit breaker, EasyPact Solar MCCB 400, 3P, 36kA at 800VAC, 200A rating, TMD trip unit, adjustable thermal protection



## Main

| | |
|---|---|
| Range of product | EasyPact Solar MCCB |
| Product or component type | Circuit breaker |
| Device short name | MCCB 400 |
| Device application | Distribution |
| Poles description | 3P |
| Protected poles description | 3D |
| [In] rated current | 200 A at 40 °C |
| [Ue] rated operational voltage | 800 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| Breaking capacity | 36 KA Icu at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Breaking capacity code | F 36 kA 800 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| Control type | Toggle |
| Mounting mode | Fixed |

## Complementary

| | |
|---|---|
| [Ui] rated insulation voltage | 1250 V AC conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 KV conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity | 30 KA at 800 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Mechanical durability | 20000 Cycles |
| Electrical durability | 4000 Cycles at 800 V In |
| Power dissipation per pole | 11 W |
| Mounting support | Backplate |
| Mounting position | Horizontal and vertical |
| Upside connection | Front |
| Downside connection | Front |
| Connections - terminals | Screw terminals |
| Connection pitch | 40 Mm |
| Protection type | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating | 200 A at 40 °C |
| Long time pick-up adjustment type Ir | Adjustable |
| Long time pick-up adjustment range | 0.7...1 x In |

| | |
|---|---|
| Long time delay adjustment type | Fixed |
| Thermal memory | Yes |
| Instantaneous pick-up adjustment type Ii | Adjustable |
| Instantaneous pick-up adjustment range | 6...12 x In |
| Width | 120 Mm |
| Height | 205 Mm |
| Depth | 105 Mm |
| Net weight | 3.5 Kg |
| Colour | Grey (RAL 7015) |

## Environment

| | |
|---|---|
| Standards | EN/IEC 60947-1<br>EN/IEC 60947-2<br>EN/IEC 60947-2 Annex H |
| Overvoltage category | III |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Ambient air temperature for operation | -10…50 °C |
| Ambient air temperature for storage | -35…85 °C |
| Operating altitude | 0...2000 m without derating<br>2000...5000 m with derating |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 22.000 Cm |
| Package 1 Width | 15.500 Cm |
| Package 1 Length | 25.500 Cm |
| Package 1 Weight | 4.580 Kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 2 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 9.940 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 1 |
| Total lifecycle Carbon footprint | 283 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 38.396243589939914 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 38 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 1.4351478422786035 |
| Carbon footprint of the distribution phase [A4] | 1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 1.4280056053435082 |
| Carbon footprint of the installation phase [A5] | 1 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 224.99186169636602 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 225 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 16.756261282484374 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 17 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 283 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No, we have minimized the use of plastic in the packaging in compliance with regulations and cons |
| SCIP Number | F488db74-c22d-403c-9d1f-4ebfab1a2454 |

| | |
|---|---|
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, w |
| Halogen-free status | Halogen free plastic parts product |
| PVC free | Yes |
| Silicone-free | No |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised