Product sheet

# ComPacT NSX80 DC PV 4P 80A Automatic Circuit Breaker

Brand: SCHNEIDER

Reference: IMPO C10F4TM080D1



Automatic ComPacT NSX100F 4P 80A switch for direct current photovoltaic installations. It supports nominal operating voltage of 1000 V DC, Icu cutting capacity of 10 kA in 1000 V DC, with thermal-magnetic protection and adjustable overload current adjustment between 0.7 and 1.0 times In.

**View product online**

## Description

ComPacT NSX80 DC PV 4P 80A automatic switch designed for applications in direct current photovoltaic installations. It protects electrical circuits in solar generation environments, ensuring reliability in extreme conditions.

Technical characteristics

- Number of poles: 4P
- Nominal current: 80 A at 40 °C
- Nominal use voltage: 1000 V DC current
- Nominal insulation voltage: 1000 V DC current
- Voltage peak resistance: 8 kV
- Cutting capacity: 10 kA Icu in 1000 V DC 4 pole series
- Power of cutting in service: 10 kA in 1000 V DC current
- Control unit: TM-G
- Fire unit technology: Thermal-magnetic
- Protection functions: LIG
- Overload protection: thermal
- Short circuit protection: magnetic
- Long-term detection adjustment Go: Adjustable (0.7...1 x In)
- Long term delay: Fixed
- Instant detection Ii: Fixed (800 A)

- Mechanical durability: 10 000 cycles
- Electrical durability: 1 500 cycles in 1000 V
- Mounting position: Horizontal and vertical (plano por la parte posterior)
- Top connection: Front
- Connection down: Front
- Connection step: 35 mm
- Mounting bracket: Rear plate
- Degree of IP protection: IP40
- Level of protection IK: IK07
- Operating ambient temperature: -25...70 °C
- Storage ambient temperature: -50...85 °C
- Relative humidity: 0...95 %
- Maximum operating altitude: 0...2000 m without decrease, 2000..5000 m with restrictions
- Overvoltage class: II
- Electrical shock protection class: II
- Degree of contamination: 3
- Weight: 2.8 kg
- Dimensions: 140 mm (width) × 161 mm (high) × 186 mm (depth)
- Compatibility code: NSX80
- Standards: HB2
- Certifications: CCC Marine Generator
- EU RoHS Directive: As per
- REACh Regulation: Contains SVHC over the threshold
- RoHS exemptions: Yes
- RoHS China Regulations: Product outside of RoHS China
- No mercury: Yes
- No PVC: Yes
- Sustainable supply status: Product Green Premium

## Specifications

| | |
|---|---|
| Rated current (A) | 80 |
| Width | 140 mm |
| Curve | C |
| EAN | 3606482003552 |
| Manufacturer | SCHNEIDER |
| Long | 161 mm |
| No. of poles | 4P |
| Weight (kg) | 2,8 kg |
| Depth | 186 mm |
| Protection | IP40 |
| Nominal voltage (V) | 1000 V |
| Current type | DC |

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