381167631 DATA SHEET

Valid from: 11.07.2025

EPIC® \$120 POWER CONNECTOR



Description

EPIC® S120 POWER CONNECTOR for new Siemens controller generation



General

Series S120 POWER CONNECTOR Version Socket, flat contacts

Pin configuration 5+PE
Rated voltage, VDE in V 630 V AC
Rated voltage, UL in V 600 V AC

Rated impulse voltage 6 kV

Rated current in A 30 A (for conductor cross-section 6.0 mm²)

Contact resistance < 4 mOhm
Contact resistance PE contact < 4 mOhm

Contact Stamped and bent contacts for 1.0 – 2.5 mm² conductor cross-

section

Screw contacts for 1.5 - 6.0 mm² conductor cross-section

Number of contacts 6 (5+PE)

Crimp connection: Stamped-bend contacts for 1.0 - 2.5 mm²

conductor cross-section

Cable connection

Screw connection: Contacts for 1.5 – 6.0 mm² conductor cross-

section

Mating cycles 50

Temperature -20°C to +130°C

Degree of contamination 2
Overvoltage category III

Materials and surfaces

Contact carrier, insulating body PA

Contacts Copper alloy

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Approvals

UL certification In progress

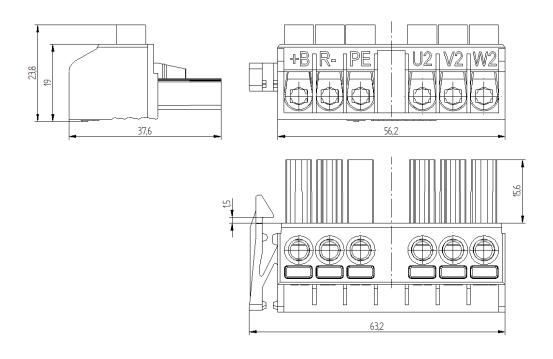
Standard

Safety standard IEC 61984

Product variation

| Item number | Article name | Contacts included | Pin configuration | Packaging integrity [pcs.] |
|----------------|-------------------------------------|-------------------|-------------------|----------------------------|
| 381167631 | EPIC® S120 POWER CONNECTOR SCREW | Yes | 5+PE | 1 |
| 381167832 | EPIC® S120 POWER CONNECTOR SCREW | Yes | 5+PE | 20 |
| 381167833 | EPIC® S120 POWER CONNECTOR CRIMP | No | 5+PE | 20 |

Technical drawings



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Industrial machinery and plant engineering



Mechanical resistance



Robust



Waterproof



Good chemical resistance



Corrosion resistant



Maximum vibration protection



Short installation time



Space requirement



Wind energy

Note

The photographs are not to scale and do not represent detailed illustrations of the respective products.