



General ordering data

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|------------------|--|
| Order No. | 1851140000 |
| Part designation | SU10.16HP/04/270SF3.5AGSW |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 4, 270°, Box |
| EAN | 4032248382101 |
| Qty. | 50 pc(s). |

System parameters

| | |
|---|---------------------------------|
| Fitted to PCB | Soldered connection |
| Outgoing elbow | 270° |
| Pitch | 10.16 mm |
| Pitch in inch | 0.4 inch |
| No. of poles | 4 |
| Solder pin length | 3.5 mm |
| Can be coded | Yes |
| No. of rows | 1 |
| No. of solder pins per pole | 2 |
| Dia. of fitting hole | 1.6 mm |
| Fitting hole tolerance | + 0.1 mm |
| L1 in mm | 30.48 mm |
| L1 in inch | 1.2 inch |
| Insulation resistance | 1 MΩ |
| Electric shock protection to DIN VDE 0470 | IP20 plugged |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch, plugged |

Material data

| | |
|---------------------------|---------------------|
| Insulating material | PBT GF |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 600 |
| Contact base material | Copper alloy |

Material data

| | |
|---------------------------------------|---------------|
| Contact surface | silver-plated |
| Constant operating temp., min. | -25 °C |
| Constant operating temp., max. | 120 °C |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |
| Max. relative humidity during storage | 80 % |

DIN IEC rating data

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|--|--------------------|
| Rated current, min. No. pins (Tu=20°C) | 76 A |
| Rated current, min. No. pins (Tu=40°C) | 72 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 690 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 8 kV |
| Rated voltage for overvoltage class/pollution severity III/2 | 1,000 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 8 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 1,000 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 6 kV |
| Short-time withstand current resistance | 3 x 1s with 1000 A |

CSA rating data

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|-----------------------------|-------|
| Rated voltage (Use group C) | 300 V |
| Rated current (Use group C) | 54 A |
| Rated voltage (Use group D) | 600 V |
| Rated current (Use group D) | 5 A |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (Use group C) | 300 V |
| Rated current (Use group C) | 54 A |
| Rated voltage (Use group D) | 600 V |
| Rated current (Use group D) | 5 A |

Approvals

Approvals institutes



Approvals

Downloads

CAD Library (P-CAD Format - Standard) SU.LIB

Classifications

| | |
|------------|-------------|
| ETIM 2.0 | NK |
| ETIM 3.0 | EC001284 |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

Similar products

| Order No. | Part designation | Version |
|------------|---------------------------|--|
| 1851120000 | SU10.16HP/02/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 2, 270°, Box |
| 1851130000 | SU10.16HP/03/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 3, 270°, Box |
| 1851150000 | SU10.16HP/05/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 5, 270°, Box |
| 1851160000 | SU10.16HP/06/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 6, 270°, Box |
| 1851170000 | SU10.16HP/07/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 7, 270°, Box |
| 1851180000 | SU10.16HP/08/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 8, 270°, Box |
| 1851190000 | SU10.16HP/09/270SF3.5AGSW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 9, 270°, Box |