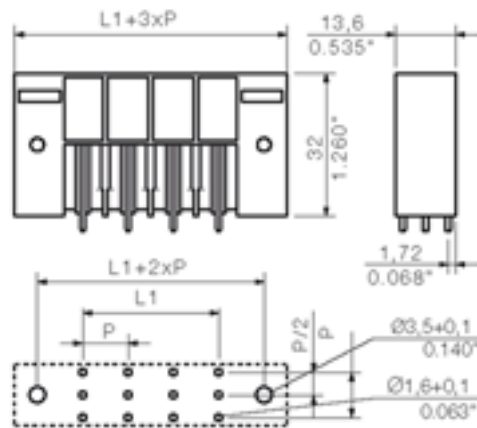




#### General ordering data

|                  |                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------|
| Order No.        | 1813710000                                                                                               |
| Part designation | SU10.16HP/08/180F 3.5AG SW                                                                               |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 8, 180°, Box |
| EAN              | 4032248297931                                                                                            |
| Qty.             | 20 pc(s).                                                                                                |

#### System parameters

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| Fitted to PCB                             | Soldered connection             |
| Outgoing elbow                            | 180°                            |
| Pitch                                     | 10.16 mm                        |
| Pitch in inch                             | 0.4 inch                        |
| No. of poles                              | 8                               |
| 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                                  | 71.12 mm                        |
| L1 in inch                                | 2.8 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

|                                                                                |                    |
|--------------------------------------------------------------------------------|--------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 74 A               |
| Rated current, min. No. pins (Tu=40°C)                                         | 68 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

|                             |       |
|-----------------------------|-------|
| 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

|                             |       |
|-----------------------------|-------|
| 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                                                                                                  |
|------------|----------------------------|----------------------------------------------------------------------------------------------------------|
| 1813650000 | SU10.16HP/02/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 2, 180°, Box |
| 1813660000 | SU10.16HP/03/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 3, 180°, Box |
| 1813670000 | SU10.16HP/04/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 4, 180°, Box |
| 1813680000 | SU10.16HP/05/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 5, 180°, Box |
| 1813690000 | SU10.16HP/06/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 6, 180°, Box |
| 1813700000 | SU10.16HP/07/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 7, 180°, Box |
| 1813720000 | SU10.16HP/09/180F 3.5AG SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 9, 180°, Box |