



#### General ordering data

Order No.	1813380000
Part designation	SU10.16HP/07/90G 3.5AG SW
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 7, 90°, Box
EAN	4032248297573
Qty.	20 pc(s).

#### System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	10.16 mm
Pitch in inch	0.4 inch
No. of poles	7
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	60.96 mm
L1 in inch	2.4 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)	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

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
1813330000	SU10.16HP/02/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 2, 90°, Box
1813340000	SU10.16HP/03/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 3, 90°, Box
1813350000	SU10.16HP/04/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 4, 90°, Box
1813360000	SU10.16HP/05/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 5, 90°, Box
1813370000	SU10.16HP/06/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 6, 90°, Box
1813390000	SU10.16HP/08/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 8, 90°, Box
1813400000	SU10.16HP/09/90G 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 9, 90°, Box