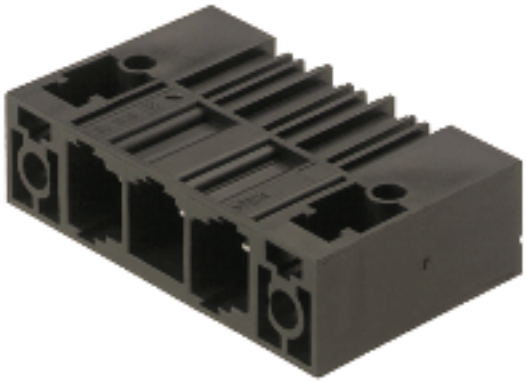
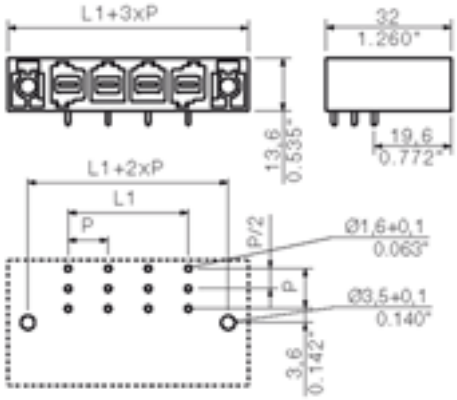




General ordering data	
Order No.	1813580000
Part designation	SU10.16HP/03/90F 3.5AG SW
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 3, 90°, Box
EAN	4032248297795
Qty.	50 pc(s).

System parameters	
Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	10.16 mm
Pitch in inch	0.4 inch
No. of poles	3
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	20.32 mm
L1 in inch	0.8 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)	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
1813570000	SU10.16HP/02/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 2, 90°, Box
1813590000	SU10.16HP/04/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 4, 90°, Box
1813600000	SU10.16HP/05/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 5, 90°, Box
1813610000	SU10.16HP/06/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 6, 90°, Box
1813620000	SU10.16HP/07/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 7, 90°, Box
1813630000	SU10.16HP/08/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 8, 90°, Box
1813640000	SU10.16HP/09/90F 3.5AG SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 10.16 mm, No. of poles: 9, 90°, Box