



General ordering data

Order No.	1813940000
Part designation	BUZ 10.16/07F AG SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 7, 180°, Box
EAN	4032248298167
Qty.	20 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	10.16 mm
Pitch in inch	0.4 inch
No. of poles	7
No. of rows	1
Screwdriver blade	1.0 x 5.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.5 Nm
Clamping screw	M 4
Stripping length	12 mm
L1 in mm	60.96 mm
L1 in inch	2.4 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

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	>= 200

Material data

Contact base material	Copper alloy
Contact surface	silver-plated

Connectable conductors

Clamping range, min.	0.2 mm ²
Clamping range, max.	16 mm ²
AWG, min.	22
AWG, max.	6
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	16 mm ²
Stranded, min. H07V-R	6 mm ²
Stranded, max. H07V-R	16 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	16 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	16 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	10 mm ²
Gauge to EN 60999 a x b; ø	5.3 mm (B6)

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	69 A
Rated current, max. No. pins (Tu=20°C)	54 A
Rated current, min. No. pins (Tu=40°C)	60 A
Rated current, max. No. pins (Tu=40°C)	47 A
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/3	690 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	8 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
AWG conductor (field wiring), min.	22
AWG conductor (field wiring), max.	6

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

UL 1059 rating data

Rated current (Use group D)	5 A
AWG conductor, min.	22
AWG conductor, max.	6

Approvals

Approvals institutes



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
1813890000	BUZ 10.16/02F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 2, 180°, Box
1813900000	BUZ 10.16/03F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 3, 180°, Box
1813910000	BUZ 10.16/04F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 4, 180°, Box
1813920000	BUZ 10.16/05F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 5, 180°, Box
1813930000	BUZ 10.16/06F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 6, 180°, Box
1813950000	BUZ 10.16/08F AG SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm ² , Pitch: 10.16 mm, No. of poles: 8, 180°, Box

1813960000 BUZ 10.16/09F AG SW

PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 16 mm², Pitch: 10.16 mm, No. of poles: 9, 180°, Box