

Printed circuit board plug and socket connectors

BLZ Socket

Features:

- 2.5mm² maximum cable accommodation
- 12A current rating
- Rising clamp technology
- Double leaf spring contact
- Octagonal pin contact
- Coding without pole loss
- Mouldings in PBT (Pocan)

The family also includes a wider variety of styles moulded from 2-24 poles, on an imperial 5.08mm pitch.

Range includes

- Standard screw-clamp socket contact free connectors
- Different cable entry socket contact free connectors
- TOP clamp socket contact free connectors
- PCB mounted socket contact connectors

For use with:

- Angled, single and double level PC headers
- Standard screw clamp pin contact free connectors
- TOP clamp pin contact free connectors
- Tension clamp pin contact free connectors
- Feedthrough pin contact adapters
- Rail and panel mounted versions
- Strain relief, LED indicators and marking accessories

P.C.B. Connector

- Screw Clamp
- 5.08mm Pitch
- 2...24 Poles
- Colour - Orange*
- 2.5mm² max. wire size (flexible)
- 4.5mm P.C. pin length**

* Other colours available on request
** 3.2mm P.C. pin length on request

Technical Data

Insulating Material	PBT
Screw Clamp Material/Plating	Steel/ZncC
Contact Spring Material/Plating	CuSn/SnPb
Contact Pin Material/Plating	CuZn/Sn

Dimensions

Pitch	5.08mm
PCB Hole	Ø1.3 + 0.1mm
Insulation Stripping Length	7mm
Clamping Screw Thread	M2.5

Conductor Clamping

Max. Clamping Range	0.08...2.5mm ²
Solid	0.5...2.5mm ²
Flexible	0.5...2.5mm ²
AWG Conductors	No. 28...14

VDE Rated Data

Rated Cross Section	2.5mm ²
Rated Current	12A
Rated Voltage (Ins. Grp. C)	250Va.c./300Vd.c.
Rated Voltage (Ins. Grp. B)	380Va.c./450Vd.c.

UL Rated Data

Rated Voltage	Industrial 300Va.c.
Rated Current	10A
Conductor Sizes	22...12AWG

Tightening Torque

Manual Screwdriver Type SD/SDI	0.5Nm
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Ordering Data

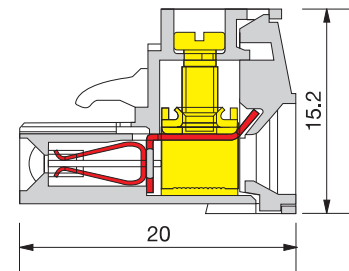
Note:
For the mounting of PCBs, it should be noted that the ratings in this catalogue relate only to Connectors. The necessary PCB creepage and clearance paths must be determined in accordance with VDE 0110b. The current capacity of the PCBs is to be observed according to DIN IEC 326 part 3.

Accessories

Coding Piece	
Mounting Blocks	width - 5.08mm
Mounting Blocks	width - 7.62mm
Marking Strips	8 way 1-8
Marking Strips	16 way 1-16
Marking Strips	24 way 1-24
Screwdriver	

BLZ 5.08/2...24

Free Socket
Standard Screw Clamp



Poles	Description	Cat. No.
2	BLZ 5.08/2	152646
3	BLZ 5.08/3	152656
4	BLZ 5.08/4	152666
5	BLZ 5.08/5	152676
6	BLZ 5.08/6	152686
7	BLZ 5.08/7	152696
8	BLZ 5.08/8	152706
9	BLZ 5.08/9	152716
10	BLZ 5.08/10	152726
11	BLZ 5.08/11	152736
12	BLZ 5.08/12	152746
13	BLZ 5.08/13	152756
14	BLZ 5.08/14	152766
15	BLZ 5.08/15	152776
16	BLZ 5.08/16	152786
17	BLZ 5.08/17	152796
18	BLZ 5.08/18	152806
19	BLZ 5.08/19	152816
20	BLZ 5.08/20	152826
21	BLZ 5.08/21	152836
22	BLZ 5.08/22	152846
23	BLZ 5.08/23	152856
24	BLZ 5.08/24	152866
BLZ KO		154571
KSW 4 8/5.08 (1...8)		163020/0001
KSW 4 8/5.08 (1...16)		163016/0001
KSW 4 8/5.08 (1...24)		163018/0001
SDI (0.4x2.5x75)		950251

P.C.B. Connector

- Screw Clamp
- 5.08mm Pitch
- 2...24 Poles
- Colour - Orange*
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Ordering Data

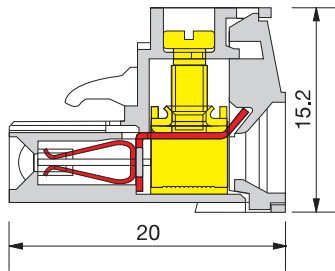
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Marking Strips	24 way 1-24
Screwdriver	

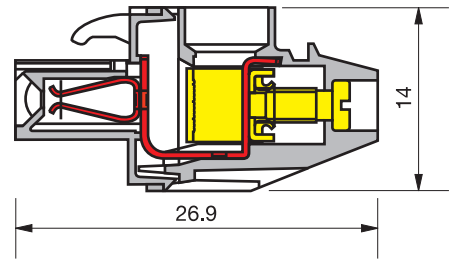
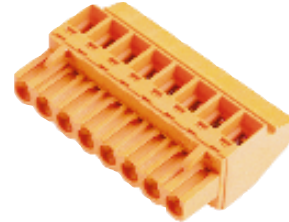
BLZ 5.08/2...24B

Free Socket
 Standard Screw Clamp (for use with Mounting Blocks if required)



BLZ 5.08/2...24/90

Free Socket
 Standard Screw Clamp
 90° Cable Orientation



Poles	Description	Cat. No.
2	BLZ 5.08/2B	152876
3	BLZ 5.08/3B	152886
4	BLZ 5.08/4B	152896
5	BLZ 5.08/5B	152906
6	BLZ 5.08/6B	152916
7	BLZ 5.08/7B	152926
8	BLZ 5.08/8B	152936
9	BLZ 5.08/9B	152946
10	BLZ 5.08/10B	152956
11	BLZ 5.08/11B	152966
12	BLZ 5.08/12B	152976
13	BLZ 5.08/13B	152986
14	BLZ 5.08/14B	152996
15	BLZ 5.08/15B	153006
16	BLZ 5.08/16B	153016
17	BLZ 5.08/17B	153026
18	BLZ 5.08/18B	153036
19	BLZ 5.08/19B	153046
20	BLZ 5.08/20B	153056
21	BLZ 5.08/21B	153066
22	BLZ 5.08/22B	153076
23	BLZ 5.08/23B	153086
24	BLZ 5.08/24B	153096

BLZ KO	154571
SLA BB 12R*	159345
SLA BB 2R	156266
KSW 4 8/5.08 (1...8)	163020/0001
KSW 4 8/5.08 (1...16)	163016/0001
KSW 4 8/5.08 (1...24)	163018/0001
SDI (0.4x2.5x75)	950251

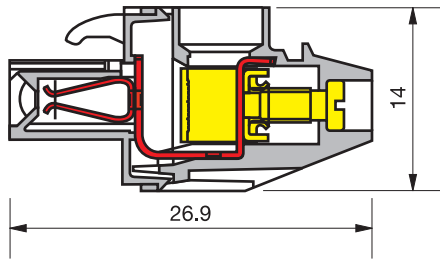
* for pitch retention

Poles	Description	Cat. No.
2	BLZ 5.08/2/90	155276
3	BLZ 5.08/3/90	155286
4	BLZ 5.08/4/90	155296
5	BLZ 5.08/5/90	155306
6	BLZ 5.08/6/90	155316
7	BLZ 5.08/7/90	155326
8	BLZ 5.08/8/90	155336
9	BLZ 5.08/9/90	155346
10	BLZ 5.08/10/90	155356
11	BLZ 5.08/11/90	155366
12	BLZ 5.08/12/90	155376
13	BLZ 5.08/13/90	155386
14	BLZ 5.08/14/90	155396
15	BLZ 5.08/15/90	155406
16	BLZ 5.08/16/90	155416
17	BLZ 5.08/17/90	155426
18	BLZ 5.08/18/90	155436
19	BLZ 5.08/19/90	155446
20	BLZ 5.08/20/90	155456
21	BLZ 5.08/21/90	155466
22	BLZ 5.08/22/90	155476
23	BLZ 5.08/23/90	155486
24	BLZ 5.08/24/90	155496

BLZ KO	154571
KSW 4 8/5.08 (1...8)	163020/0001
KSW 4 8/5.08 (1...16)	163016/0001
KSW 4 8/5.08 (1...24)	163018/0001
SDI (0.4x2.5x75)	950251

BLZ 5.08/2...24/90B

Free Socket
Standard Screw Clamp (for use with
Mounting Blocks if required)
90° Cable Orientation



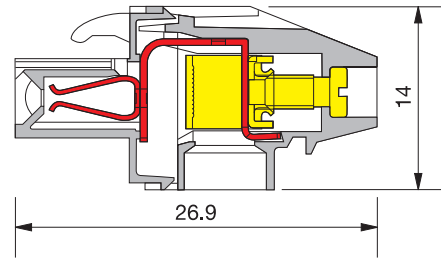
Poles	Description	Cat. No.
2	BLZ 5.08/2/90B	155506
3	BLZ 5.08/3/90B	155516
4	BLZ 5.08/4/90B	155526
5	BLZ 5.08/5/90B	155536
6	BLZ 5.08/6/90B	155546
7	BLZ 5.08/7/90B	155556
8	BLZ 5.08/8/90B	155566
9	BLZ 5.08/9/90B	155576
10	BLZ 5.08/10/90B	155586
11	BLZ 5.08/11/90B	155596
12	BLZ 5.08/12/90B	155606
13	BLZ 5.08/13/90B	155616
14	BLZ 5.08/14/90B	155626
15	BLZ 5.08/15/90B	155636
16	BLZ 5.08/16/90B	155646
17	BLZ 5.08/17/90B	155656
18	BLZ 5.08/18/90B	155666
19	BLZ 5.08/19/90B	155676
20	BLZ 5.08/20/90B	155686
21	BLZ 5.08/21/90B	155696
22	BLZ 5.08/22/90B	155706
23	BLZ 5.08/23/90B	155716
24	BLZ 5.08/24/90B	155726

BLZ KO	154571
SLA BB 12R*	159345
SLA BB 2R	156266
KSW 4 8/5.08 (1...8)	163020/0001
KSW 4 8/5.08 (1...16)	163016/0001
KSW 4 8/5.08 (1...24)	163018/0001
SDI (0.4x2.5x75)	950251

* for pitch retention

BLZ 5.08/2...24/270

Free Socket
Standard Screw Clamp
270° Cable Orientation

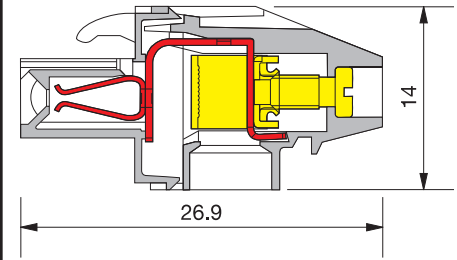


Poles	Description	Cat. No.
2	BLZ 5.08/2/270	155736
3	BLZ 5.08/3/270	155746
4	BLZ 5.08/4/270	155756
5	BLZ 5.08/5/270	155766
6	BLZ 5.08/6/270	155776
7	BLZ 5.08/7/270	155786
8	BLZ 5.08/8/270	155796
9	BLZ 5.08/9/270	155806
10	BLZ 5.08/10/270	155816
11	BLZ 5.08/11/270	155826
12	BLZ 5.08/12/270	155836
13	BLZ 5.08/13/270	155846
14	BLZ 5.08/14/270	155856
15	BLZ 5.08/15/270	155866
16	BLZ 5.08/16/270	155876
17	BLZ 5.08/17/270	155886
18	BLZ 5.08/18/270	155896
19	BLZ 5.08/19/270	155906
20	BLZ 5.08/20/270	155916
21	BLZ 5.08/21/270	155926
22	BLZ 5.08/22/270	155936
23	BLZ 5.08/23/270	155946
24	BLZ 5.08/24/270	155956

BLZ KO	154571
KSW 4 8/5.08 (1...8)	163020/0001
KSW 4 8/5.08 (1...16)	163016/0001
KSW 4 8/5.08 (1...24)	163018/0001
SDI (0.4x2.5x75)	950251

BLZ 5.08/2...24/270B

Free Socket
Standard Screw Clamp (for use with
Mounting Blocks if required)
270° Cable Orientation



Poles	Description	Cat. No.
2	BLZ 5.08/2/270B	155966
3	BLZ 5.08/3/270B	155976
4	BLZ 5.08/4/270B	155986
5	BLZ 5.08/5/270B	155996
6	BLZ 5.08/6/270B	156006
7	BLZ 5.08/7/270B	156016
8	BLZ 5.08/8/270B	156026
9	BLZ 5.08/9/270B	156036
10	BLZ 5.08/10/270B	156046
11	BLZ 5.08/11/270B	156056
12	BLZ 5.08/12/270B	156066
13	BLZ 5.08/13/270B	156076
14	BLZ 5.08/14/270B	156086
15	BLZ 5.08/15/270B	156096
16	BLZ 5.08/16/270B	156106
17	BLZ 5.08/17/270B	156116
18	BLZ 5.08/18/270B	156126
19	BLZ 5.08/19/270B	156136
20	BLZ 5.08/20/270B	156146
21	BLZ 5.08/21/270B	156156
22	BLZ 5.08/22/270B	156166
23	BLZ 5.08/23/270B	156176
24	BLZ 5.08/24/270B	156186

BLZ KO	154571
SLA BB 12R*	159345
SLA BB 2R	156266
KSW 4 8/5.08 (1...8)	163020/0001
KSW 4 8/5.08 (1...16)	163016/0001
KSW 4 8/5.08 (1...24)	163018/0001
SDI (0.4x2.5x75)	950251

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