

P.C.B. Connector

- Screw Clamp
- 3.50mm Pitch
- 2...24 Poles
- Colour - Orange*
- 1.5mm² max. wire size (flexible)
- 3.2mm P.C. pin length**

* Other colours available on request

** 4.5mm P.C. pin length on request

Technical Data

Insulating Material	PBT
Screw Clamp Material/Plating	Steel/Zn/C
Contact Spring Material/Plating	CuSn/SnPb
Contact Pin Material/Plating	CuZn/Sn
Flammability class	UL 94 V0

Dimensions

Pitch	3.50mm
PCB Hole	Ø1.3 + 0.1mm
Insulation Stripping Length	7mm
Clamping Screw Thread	M2

Conductor Clamping

Max. Clamping Range	0.08...1.5mm ²
Solid	0.5...1.5mm ²
Flexible	0.5...1.5mm ²
AWG Conductors	No. 28...16

VDE Rated Data

Rated Cross Section	1.5mm ²
Rated Current	12A
Rated Voltage (Ins. Grp. C)	125Va.c./150Vd.c.
Rated Voltage (Ins. Grp. B)	250Va.c./300Vd.c.

UL Rated Data

Rated Voltage	Industrial 300Va.c.
Rated Voltage	Commercial 250Va.c.
Rated Current	10A
Conductor Sizes	22...14AWG

Tightening Torque

Manual Screwdriver Type SD/SDI	0.25Nm
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Ordering Data

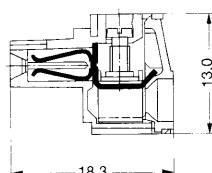
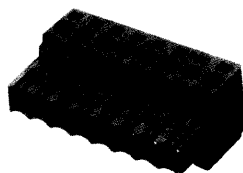
Note:
For the mounting of PCBs, it should be noted that the ratings in this catalogue relate only to Connectors. The necessary PCB creepage and clearance paths must be determined in accordance with VDE 0110b. The current capacity of the PCBs is to be observed according to DIN IEC 326 part 3.

Accessories

Coding Piece	
Locking Latch (for use on SL)	
Marking Strips	8 way 1-8
Marking Strips	16 way 1-16
Marking Strips	24 way 1-24
Fixing Screw (for fixing Header to PCB)	
Screwdriver	

BL 3.5/2...24

Free Socket
Standard Screw Clamp
180° Cable Orientation



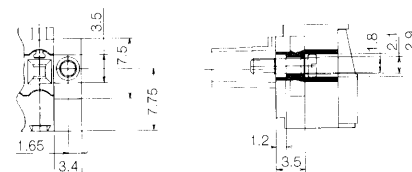
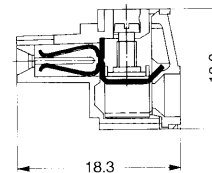
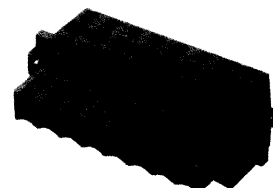
Poles	Description	Cat. No.
2	BL 3.5/2	159736
3	BL 3.5/3	159737
4	BL 3.5/4	159738
5	BL 3.5/5	159739
6	BL 3.5/6	159740
7	BL 3.5/7	159741
8	BL 3.5/8	159742
9	BL 3.5/9	159743
10	BL 3.5/10	159744
11	BL 3.5/11	159745
12	BL 3.5/12	159746
13	BL 3.5/13	159747
14	BL 3.5/14	159748
15	BL 3.5/15	159749
16	BL 3.5/16	159750
17	BL 3.5/17	162029
18	BL 3.5/18	162030
19	BL 3.5/19	162031
20	BL 3.5/20	162032
21	BL 3.5/21	162033
22	BL 3.5/22	162034
23	BL 3.5/23	162035
24	BL 3.5/24	162036

Cat. No.

BL/SL 3.5 KO SW	161010
KSW 4 8/3.5W (1...8)	163019/0001
KSW 4 16/3.5W (1...16)	163015/0001
KSW 4 24/3.5W (1...24)	164041/0001
SDI (0.4x2.5x75)	950251

BL 3.5/2...24F

Free Socket, with locking flange
Standard Screw Clamp
180° Cable Orientation



Poles	Description	Cat. No.
2	BL 3.5/2F	160664
3	BL 3.5/3F	160665
4	BL 3.5/4F	160666
5	BL 3.5/5F	160667
6	BL 3.5/6F	160668
7	BL 3.5/7F	160669
8	BL 3.5/8F	160670
9	BL 3.5/9F	160671
10	BL 3.5/10F	160672
11	BL 3.5/11F	160673
12	BL 3.5/12F	160674
13	BL 3.5/13F	160675
14	BL 3.5/14F	160676
15	BL 3.5/15F	160677
16	BL 3.5/16F	160678
17	BL 3.5/17F	162076
18	BL 3.5/18F	162077
19	BL 3.5/19F	162078
20	BL 3.5/20F	162079
21	BL 3.5/21F	162080
22	BL 3.5/22F	162081
23	BL 3.5/23F	162082
24	BL 3.5/24F	162083

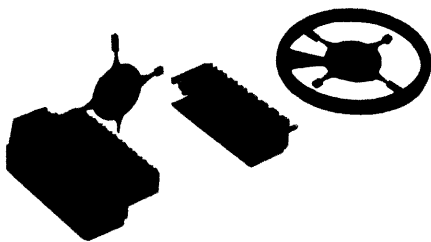
Description

BL/SL 3.5 KO SW	161010
KSW 4 8/3.5W (1...8)	163019/0001
KSW 4 16/3.5W (1...16)	163015/0001
KSW 4 24/3.5W (1...24)	164041/0001
SDI (0.4x2.5x75)	950251

Accessories for BL/SL 3.5 Connector Range

BL/SL 3.5 KO

- Coding Piece



Description

BL/SL 3.5 KO*

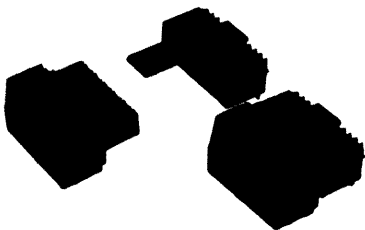
* One coding piece contains two male and two female coding pieces

Cat. No.

161010

BL/SL 3.5 VR

- Locking Latch



Description

BL/SL 3.5 VR OR

BL/SL 3.5 VR BLK

The element can be attached by using the 'T' shaped grooves on the rear of any single level SL Header

Cat. No.

166931

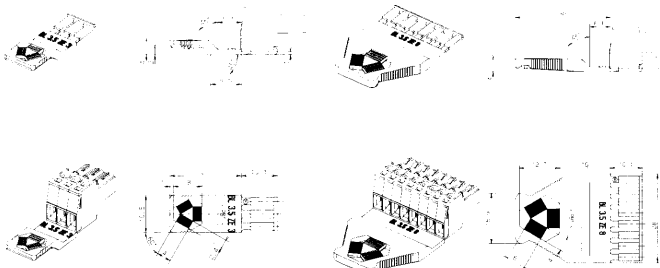
166930

BL/SL 3.5 ZE

- Strain Relief

ZE3

ZE8



Description

BL 3.5 ZE 3 OR

BL 3.5 ZE 3 BLK

BL 3.5 ZE 8 OR

BL 3.5 ZE 8 BLK

OR = Orange

BLK = Black

Cat. No.

162968

162782

162969

162783

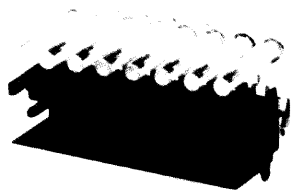
BL 3.5 ZE 3 for use with BL 3.5/3...7 poles

BL 3.5 ZE 8 for use with BL 3.5/8...24 poles

NOTE: More than one strain relief can be attached to larger pole version BL3.5's

SL 3.5 FLA

- LED Light Tubes ‡



Ways

Description

Dim 'A'

Cat. No.

8

SL 3.5 FLA 1.5/8

1.5mm

159751

8

SL 3.5 FLA 2.3/8

2.3mm

159752

8

SL 3.5 FLA 4.0/8

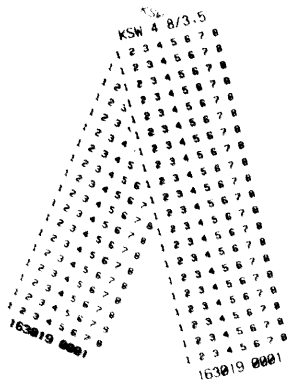
4.0mm

159753

‡ 8-pole unit can be shortened to any required pole number with side cutting pliers

KSW

- Marking strips print 1...8 / 1...16 / 1...24 †



Ways

Description

Cat. No.

8

KSW 4 8/3.5W (1...8)

163019/0001

16

KSW 4 16/3.5W (1...16)

163015/0001

24

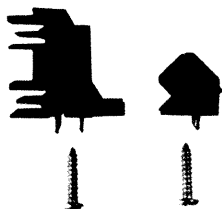
KSW 4 24/3.5W (1...24)

164041/0001

† Special prints available on request

Preparation Tools

Fixing Screw



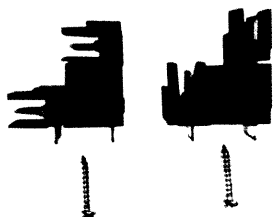
Description

PTSC KA 4.5 Screw

For fixing SLD 3.5, SL5.5/xx/110, SL 3.5/xx/135, SL 3.5/xx/90F and SL 3.5/xx/180F to PCB

Cat. No.

161074



Description

PTSC KA 8.5 Screw

For fixing SLD 3.5V to PCB

Cat. No.

164096

Screwdriver



Description

SDI 0.4x2.5x75 Manual Screwdriver

Cat. No.

950251

Cable Stripper



Description

Mini Stripax

Cat. No.

900128