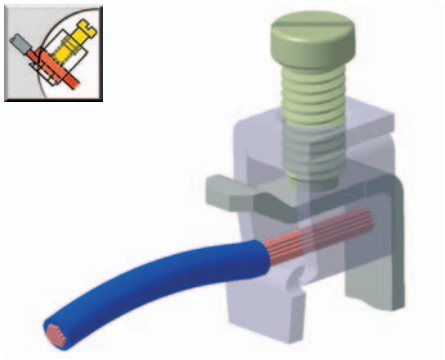
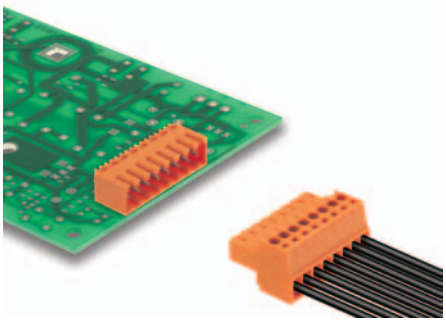
Clamping yoke connection socket connectors



BL 3.5

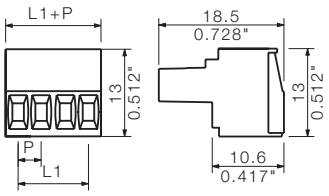


BL 3.5/180

The screw clamping yoke is the most popular and widely used cable connection method worldwide.
The security of the cable is vital for every application, and the Weidmueller clamping yoke design has proven its reliability for millions of connections in hundreds of thousands of applications over the last 40 years.
The best and most reliable cable connection mechanisms use the best materials for the mechanical and electrical funtions: steel parts for strength and security, brass or copper parts for conductivity.
The Weidmueller clamping yoke and screw are made from hardened steel and are zinc-chrome plated to prevent corrosion.
The current carrying bar/pins are made from a tin plated copper alloy.

High contact force is only effective if it is continuous.
When the clamping screw is turned, the Weidmueller clamping yoke rises in the component housing until the cable is firmly held between the current-bar and clamping yoke.
Further turning of the screw achieves the optimum torque level according to DIN EN 60 999. At the point of maximum permitted torque, the upper thread-overlap of the yoke opens causing a locking action to be exerted on the screw.
A maintenance-free and continuous torque is thus achieved.

- 0.08 – 1.5 mm² (IEC) / 28 – 14 AWG (UL)
- 160 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)



Technical data

Rated data acc. to IEC 664-1 / VDE 0110 (4.97)				
Clamping range, max.	mm²	0.08…1.50		
Solid H05(07) V-U	mm²	0.50…1.50		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.50…1.50		
Flexible with ferrule	mm²	0.50…1.50		
Ferrule with plastic collar	mm²	0.50…1.50		
Stripping length	mm	6.0		
Rated current at ambient temperature		**20°C**		**40°C**
	A	15.0		13.0
Overvoltage category		**III**	**III**	**II**
Pollution severity		**3**	**2**	**2**
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10.0		10.0
AWG conductor		28-14		
CSA C22.2 rated data - LR12400 B		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10.0		10.0
AWG conductor		28-14		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		Cu alloy		
Contact plating		tin plated		

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current refers to rated cross-section and min. number of poles
- Max. outside diameter of the conductor: 2.9 mm
- ferrule without plastic collar acc. to DIN 46228/1
- Ferrule with plastic collar acc. to DIN 46228/4
- Drawing information P = Pitch

Ordering data

Solder pin length

Colour				orange	black
Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	**Order no.**	**Order no.**
2	3.50	(0.138)	100	**1597360000**	**1615670000**
3	7.00	(0.276)	100	**1597370000**	**1615680000**
4	10.50	(0.413)	100	**1597380000**	**1615690000**
5	14.00	(0.551)	50	**1597390000**	**1614090000**
6	17.50	(0.689)	50	**1597400000**	**1610180000**
7	21.00	(0.827)	50	**1597410000**	**1610190000**
8	24.50	(0.965)	50	**1597420000**	**1615700000**
9	28.00	(1.102)	50	**1597430000**	**1615710000**
10	31.50	(1.240)	50	**1597440000**	**1610200000**
11	35.00	(1.378)	50	**1597450000**	**1615720000**
12	38.50	(1.516)	50	**1597460000**	**1615730000**
13	42.00	(1.654)	50	**1597470000**	**1615740000**
14	45.50	(1.791)	50	**1597480000**	**1615750000**
15	49.00	(1.929)	50	**1597490000**	**1615760000**
16	52.50	(2.067)	50	**1597500000**	**1615770000**
17	56.00	(2.205)	20	**1620290000**	**1620370000**
18	59.50	(2.343)	20	**1620300000**	**1620380000**
19	63.00	(2.480)	20	**1620310000**	**1620390000**
20	66.50	(2.618)	20	**1620320000**	**1620400000**
21	70.00	(2.756)	20	**1620330000**	**1620410000**
22	73.50	(2.894)	20	**1620340000**	**1620420000**
23	77.00	(3.031)	20	**1620350000**	**1620430000**
24	80.50	(3.169)	20	**1620360000**	**1620440000**

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.
Delivery times see page X.2