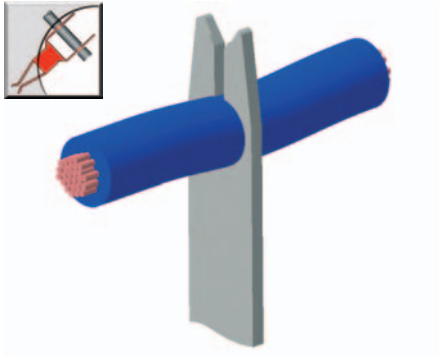
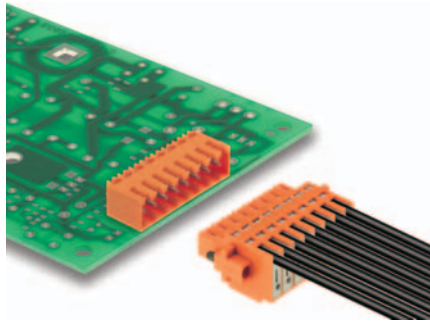


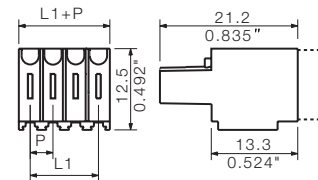
IDC connection socket connectors



BLIDC 3.5



BLIDC 3.5



IDC (Insulation Displacement Connection) is the fastest manual cable connection method available. It is 60% faster than screw clamping, and 40% faster than tension clamp connections. IDC completely removes the need to strip the insulation from the cable.

The unprepared flexible cable is simply inserted into the cable-entry point. The cable slide is then pushed into place using thumb or screwdriver, and the connection is then complete.

The main body of the connector houses a V-shaped IDC blade which cuts through the cable insulation and bites into the bare copper. This produces a gas-tight and vibration-resistant connection. The Weidmueller IDC connections are designed to and conform with DIN EN 60 352-4.

D

- 0.35 – 0.5 mm² (IEC) / 22 – 20 AWG (UL)
- 160 V (IEC) / 300 V (UL)
- 6 A (IEC) / 7 A (UL)

Technical data

Rated data acc. to IEC 664-1 / VDE 0110 (4.97)

Clamping range, max.	mm ²	0.32...0.50
Solid H05(07) V-U	mm ²	0.50...0.50
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.50...0.50
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	

Rated current at ambient temperature

	A	20°C	40°C
		6.0	5.0

Overvoltage category Pollution severity

		III	III	II
		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	7.0	7.0	
AWG conductor				22-20

CSA C22.2 rated data - LR1240 B

		B	C	D
Rated voltage	V	300	300	
Rated current	A	7.0	7.0	
AWG conductor				22-20

Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	CuSn
Contact plating	tin plated

- Information**
- Additional colours on request
 - Rated current refers to rated cross-section and min. number of poles
 - for IDC contact 0.5: Conductor acc. to DIN EN 60352-4
 - AWG conductor: solid or flexible, 7 or 19 strands
 - Temperature range -20 to +80 °C
 - BLIDC 3.5 and BLIDCB 3.5 conductors e/f acc. to DIN 47726
 - 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	1750790000	1770940000
3	7.00	(0.276)	100	1750800000	1770950000
4	10.50	(0.413)	100	1750810000	1770960000
5	14.00	(0.551)	50	1750820000	1770970000
6	17.50	(0.689)	50	1750830000	1770980000
7	21.00	(0.827)	50	1750840000	1770990000
8	24.50	(0.965)	50	1750850000	1771000000
9	28.00	(1.102)	50	1750860000	1771010000
10	31.50	(1.240)	50	1750870000	1771020000
11	35.00	(1.378)	50	1750880000	1771030000
12	38.50	(1.516)	50	1750890000	1771040000
13	42.00	(1.654)	50	1750900000	1771050000
14	45.50	(1.791)	50	1750910000	1771060000
15	49.00	(1.929)	50	1750920000	1771070000
16	52.50	(2.067)	50	1750930000	1771080000