

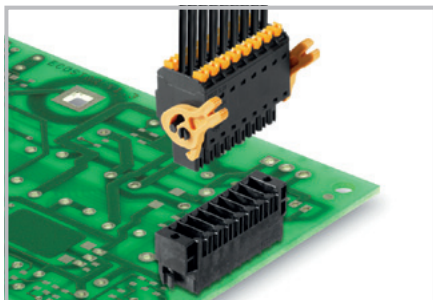


**THE DATASHEET OF
1278340000**



Preliminary product data

S2C-SMT 3.50/././90



High-temperature-resistant male header for side-by-side mounting.

- Touch-safe
- Pluggable to the female plug B2CF 3.50 PUSH IN
- Plugging direction parallel to PCB (recumbent)
- Housing variants: closed (G) and with solder flange (LF).
- Packed in a carton (BX)
- 3.2-mm pin length suitable for reflow and wave soldering.

Product data

IEC: 200 V / 10 A
UL: 150 V / 10 A

For additional articles and information, refer to catalog.weidmueller.com

Note:

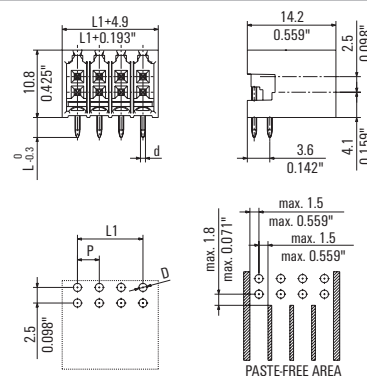
- Gold-plated contact surface on request
- Tape packaged on request
- See hole pattern for distance between rows
- Rated voltage referenced to rated cross-section and minimum poles
- P on drg. = pitch
- Rated data relate to the respective component. Clearance and creepage distances to other components must be set in accordance with the relevant application standard.

S2C-SMT 3.50/././90G Box

Closed side



Dimensioned drawing






Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | |
|--|-----------------------|----------------|----------------|
| Clamping range, max. | mm ² | | |
| Solid core H05(07) V-U | mm² | | |
| Stranded H07 V-R | | | |
| Flexible H05(07) V-K | mm ² | | |
| Flexible with ferrule | mm ² | | |
| Ferrule with plastic collar | mm ² | | |
| Stripping length | mm | | |
| Screwdriver blade | mm | | |
| According to norm | | | |
| Tightening torque range | Nm | | |
| Rated current, max. | A | 10 | 9 |
| At ambient temperature | | 20°C | 40°C |
| For conductor cross-section | mm ² | | 1,5 |
| Overvoltage category | | III | III II |
| Pollution severity | | 3 | 2 2 |
| Rated voltage | V | 80 | 160 200 |
| Rated impulse voltage | kV | 2,5 | 2,5 2,5 |
| UL / CUL (Use Group) | | B | C D |
| Rated voltage | V | 150 | 50 |
| Rated current | A | 10 | 10 |
| AWG conductor | AWG | | - |
| CSA (Use Group) | | B | C D |
| Rated voltage | V | 150 | |
| Rated current | A | 10 | |
| AWG conductor | AWG | | - |
| General data | | | |
| Type of insulation material | | LCP GF | |
| Flammability class UL 94 | | V-0 | |
| Contact base material | | Copper alloy | |
| Material of contact surface | | tinned | |
| Pin dimensions = d | mm | 1,0, Octagonal | |
| Solder eyelet Ø = D | mm | 1,3 | |
| Solder eyelet Ø tolerance | mm | + 0,1 | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

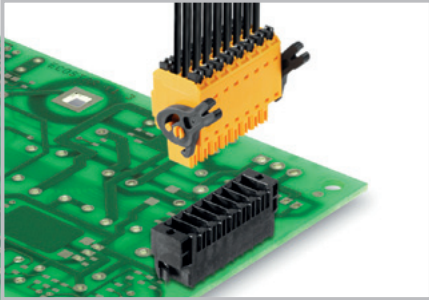
| Coding | | Order No. |
|---|-----------------------|-------------------|
|  | B2L/S2L 3.5 KO OR | 1849730000 |
|  | B2L/S2L 3.5 KO SW | 1849740000 |
|  | S2L-SMT 3.5 FLA 20/10 | 1814590000 |

Ordering data

| Solder pin length | | 1,5 mm | 3,2 mm |
|----------------------|-----------|--------|--|
| Colour | | black | black |
| Pitch 3,50 mm | | | |
| Pol. | L1 (inch) | Qty. | Order No. |
| 4 | 3,50 | 0,138 | 50 1289630000 1289880000 |
| 6 | 7,00 | 0,276 | 50 1289640000 1289270000 |
| 8 | 10,50 | 0,413 | 50 1289650000 1289280000 |
| 10 | 14,00 | 0,551 | 50 1289670000 1289290000 |
| 12 | 17,50 | 0,689 | 50 1289680000 1289300000 |
| 14 | 21,00 | 0,827 | 50 1289700000 1289310000 |
| 16 | 24,50 | 0,965 | 50 1289710000 1289320000 |
| 18 | 28,00 | 1,102 | 20 1289720000 1289330000 |
| 20 | 31,50 | 1,240 | 20 1289730000 1289340000 |
| 22 | 35,00 | 1,378 | 20 1289740000 1289350000 |
| 24 | 38,50 | 1,516 | 20 1289750000 1289370000 |
| 26 | 42,00 | 1,654 | 20 1289770000 1289380000 |
| 28 | 45,50 | 1,791 | 20 1289780000 1289390000 |
| 30 | 49,00 | 1,929 | 20 1289790000 1289410000 |
| 32 | 52,50 | 2,067 | 20 1289800000 1289420000 |
| 34 | 56,00 | 2,205 | 20 1289810000 1289430000 |
| 36 | 59,50 | 2,343 | 20 1289820000 1289440000 |

Preliminary product data

B2C 3.50/././180



Double female plug with PUSH IN wire connection.

- Simply insert the prepared wire and it's ready.
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- Integrated push-button for opening the terminal point
- High component density because of low heights
- Optional: the lock and release requires no tools when using Weidmüller's patented (LR) release latch.
- Approval according to IEC 60335 and GL pending

Product data

IEC: 320 V / 10 A / 0,14 - 1,5 mm²
 UL: 300 V / 10 A / AWG 26 - AWG 16

For additional articles and information, refer to catalog.weidmueller.com

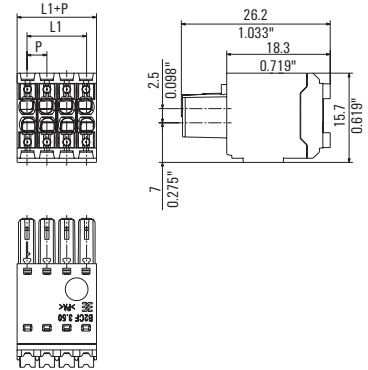
Note:

- Gold-plated contact surface on request
- Crimping shape „A“ for wire end ferrules with PZ 1,5 crimping tools Order No. 9005990000 or PZ 6/5 Order No. 9011460000 recommended for the largest conductor cross-section
- Rated voltage referenced to rated cross-section and minimum poles
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Compatible with Series S2L 3.50, S2L-SMT 3.50 and S2L 3.50

B2CF 3.50/././180



Dimensioned drawing



Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | |
|--|-----------------------|--------------|----------------|
| Clamping range, max. | mm ² | 0,14...1,5 | |
| Solid core H05(07) V-U | mm² | 0,14...1,5 | |
| Stranded H07 V-R | | | |
| Flexible H05(07) V-K | mm ² | 0,14...1,5 | |
| Flexible with ferrule | mm ² | 0,14...1,5 | |
| Ferrule with plastic collar | mm ² | 0,14...1 | |
| Stripping length | mm | 12 | |
| Screwdriver blade | mm | | |
| According to norm | | | |
| Tightening torque range | Nm | | |
| Rated current, max. | A | 10,3 | 8,9 |
| At ambient temperature | | 20°C | 40°C |
| For conductor cross-section | mm ² | 1 | |
| Overvoltage category | | III | III II |
| Pollution severity | | 3 | 2 2 |
| Rated voltage | V | 160 | 160 320 |
| Rated impulse voltage | kV | 2,5 | 2,5 2,5 |
| UL / CUL (Use Group) | B C D | | |
| Rated voltage | V | | |
| Rated current | A | | |
| AWG conductor | AWG | | |
| CSA (Use Group) | B C D | | |
| Rated voltage | V | 300 | |
| Rated current | A | 5 | |
| AWG conductor | AWG | 26-16 | |
| General data | | | |
| Type of insulation material | | PA 66 GF 30 | |
| Flammability class UL 94 | | V-0 | |
| Contact base material | | Copper alloy | |
| Material of contact surface | | tinned | |
| Pin dimensions = d | mm | | |
| Solder eyelet Ø = D | mm | | |
| Solder eyelet Ø tolerance | mm | | |

Accessories

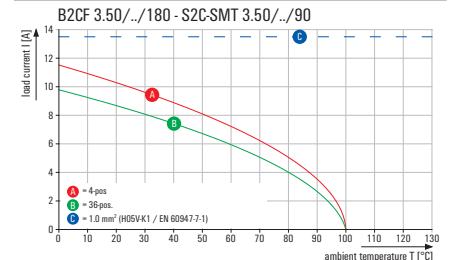
Note: Refer to the Accessories chapter for additional accessories.

| Coding | Order No. |
|----------------------|-------------------|
| B2L/S2L 3.5 KO OR | 1849730000 |
| B2L/S2L 3.5 KO SW | 1849740000 |
| Strain relief | |
| BL 3.5 ZE 3 OR | 1629680000 |
| BL 3.5 ZE 3 SW | 1627820000 |
| BL 3.5 ZE 8 OR | 1629690000 |
| BL 3.5 ZE 8 SW | 1627830000 |
| Screwdriver | |
| SD 0,4x2,5x75 | 9009030000 |
| Crimping tool | |
| PZ 1,5 | 9005990000 |
| PZ 6/5 | 9011460000 |

Ordering data

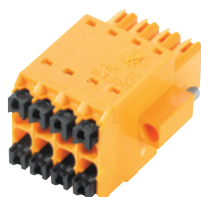
| Solder pin length | | | | | |
|-------------------|-------|--------|-------|-------------------|-------------------|
| Colour | | orange | black | | |
| Pitch 3,50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 4 | 3,50 | 0,138 | 50 | 1277270000 | 1277460000 |
| 6 | 7,00 | 0,276 | 50 | 1277280000 | 1277470000 |
| 8 | 10,50 | 0,413 | 50 | 1277290000 | 1277480000 |
| 10 | 14,00 | 0,551 | 50 | 1277310000 | 1277490000 |
| 12 | 17,50 | 0,689 | 50 | 1277320000 | 1277510000 |
| 14 | 21,00 | 0,827 | 50 | 1277330000 | 1277520000 |
| 16 | 24,50 | 0,965 | 50 | 1277340000 | 1277530000 |
| 18 | 28,00 | 1,102 | 20 | 1277350000 | 1277540000 |
| 20 | 31,50 | 1,240 | 20 | 1277360000 | 1277550000 |
| 22 | 35,00 | 1,378 | 20 | 1277370000 | 1277560000 |
| 24 | 38,50 | 1,516 | 20 | 1277380000 | 1277570000 |
| 26 | 42,00 | 1,654 | 20 | 1277390000 | 1277580000 |
| 28 | 45,50 | 1,791 | 20 | 1277410000 | 1277590000 |
| 30 | 49,00 | 1,929 | 20 | 1277420000 | 1277610000 |
| 32 | 52,50 | 2,067 | 20 | 1277430000 | 1277620000 |
| 34 | 56,00 | 2,205 | 20 | 1277440000 | 1277630000 |
| 36 | 59,50 | 2,343 | 20 | 1277450000 | 1277640000 |

Representative derating curve



B2CF 3.50/././180F

With flange

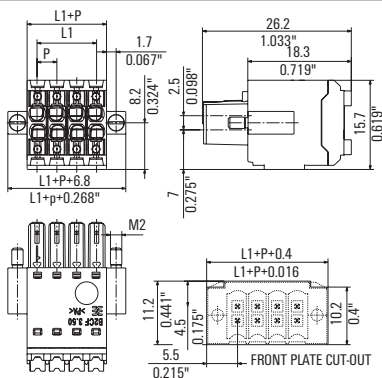


B2CF 3.50/././180LR

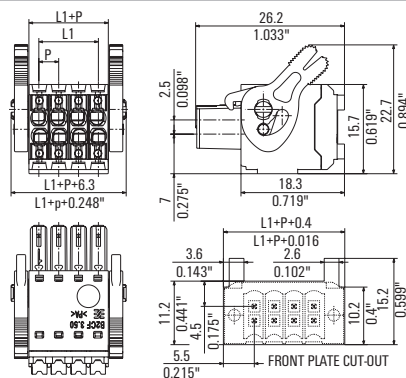
With release lever



Dimensioned drawing



Dimensioned drawing



Ordering data



| Solder pin length | | | | | |
|-------------------|-------|--------|-------|------------|------------|
| Colour | | orange | black | | |
| Pitch 3,50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 4 | 3,50 | 0,138 | 50 | 1277650000 | 1277860000 |
| 6 | 7,00 | 0,276 | 50 | 1277670000 | 1277870000 |
| 8 | 10,50 | 0,413 | 50 | 1277680000 | 1277880000 |
| 10 | 14,00 | 0,551 | 50 | 1277690000 | 1277890000 |
| 12 | 17,50 | 0,689 | 50 | 1277720000 | 1277900000 |
| 14 | 21,00 | 0,827 | 50 | 1277730000 | 1277910000 |
| 16 | 24,50 | 0,965 | 50 | 1277740000 | 1277920000 |
| 18 | 28,00 | 1,102 | 20 | 1277750000 | 1277930000 |
| 20 | 31,50 | 1,240 | 20 | 1277760000 | 1277940000 |
| 22 | 35,00 | 1,378 | 20 | 1277770000 | 1277950000 |
| 24 | 38,50 | 1,516 | 20 | 1277780000 | 1277970000 |
| 26 | 42,00 | 1,654 | 20 | 1277790000 | 1277980000 |
| 28 | 45,50 | 1,791 | 20 | 1277810000 | 1277990000 |
| 30 | 49,00 | 1,929 | 20 | 1277820000 | 1278000000 |
| 32 | 52,50 | 2,067 | 20 | 1277830000 | 1278010000 |
| 34 | 56,00 | 2,205 | 20 | 1277840000 | 1278020000 |
| 36 | 59,50 | 2,343 | 20 | 1277850000 | 1278030000 |

Ordering data

| Solder pin length | | | | | |
|-------------------|-------|--------|-------|------------|------------|
| Colour | | orange | black | | |
| Pitch 3,50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 4 | 3,50 | 0,138 | 50 | 1278040000 | 1278230000 |
| 6 | 7,00 | 0,276 | 50 | 1278050000 | 1278240000 |
| 8 | 10,50 | 0,413 | 50 | 1278060000 | 1278250000 |
| 10 | 14,00 | 0,551 | 50 | 1278070000 | 1278260000 |
| 12 | 17,50 | 0,689 | 50 | 1278080000 | 1278270000 |
| 14 | 21,00 | 0,827 | 50 | 1278090000 | 1278280000 |
| 16 | 24,50 | 0,965 | 50 | 1278100000 | 1278290000 |
| 18 | 28,00 | 1,102 | 20 | 1278110000 | 1278300000 |
| 20 | 31,50 | 1,240 | 20 | 1278120000 | 1278310000 |
| 22 | 35,00 | 1,378 | 20 | 1278130000 | 1278320000 |
| 24 | 38,50 | 1,516 | 20 | 1278140000 | 1278340000 |
| 26 | 42,00 | 1,654 | 20 | 1278150000 | 1278350000 |
| 28 | 45,50 | 1,791 | 20 | 1278170000 | 1278370000 |
| 30 | 49,00 | 1,929 | 20 | 1278180000 | 1278380000 |
| 32 | 52,50 | 2,067 | 20 | 1278190000 | 1278390000 |
| 34 | 56,00 | 2,205 | 20 | 1278200000 | 1278400000 |
| 36 | 59,50 | 2,343 | 20 | 1278210000 | 1278410000 |

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