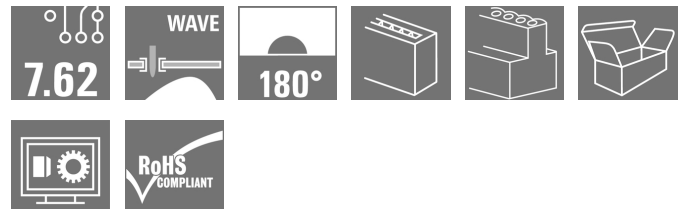


**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



High-performance female header with solder connection. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity, protection against faulty wiring and 4-point contact.

General ordering data

| | |
|--------------|---|
| Type | BVL 7.62HP/05/180 3.5SN BK BX |
| Order No. | 1928650000 |
| Version | PCB plug-in connector, female header, closed side, THT solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box |
| GTIN (EAN) | 4032248578009 |
| Qty. | 50 pc(s). |
| Product data | IEC: 1000 V / 56.8 A UL: 300 V / 42 A |
| Packaging | Box |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

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 D-32758 Detmold
 Germany
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 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

| | |
|------------|---------|
| Net weight | 12.28 g |
|------------|---------|

System parameters

| | | | |
|--|--------------------------------------|--|---------------------------------|
| Product family | OMNIMATE Power - series BV/SV 7.62HP | Type of connection | Solder connection |
| Pitch in mm (P) | 7.62 mm | Pitch in inches (P) | 0.3 inch |
| No. of poles | 5 | L1 in mm | 30.48 mm |
| L1 in inches | 1.2 inch | Number of rows | 1 |
| Pin series quantity | 1 | Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch, plugged |
| Touch-safe protection acc. to DIN VDE 0470 | IP 20 | Volume resistance | 2.00 mΩ |
| Can be coded | Yes | Plugging cycles | 25 |
| push-in force/pole | 12 N | Withdrawal force per pole | 7 N |
| Packaging | Box | | |

Material data

| | | | |
|---------------------------------------|----------------|---------------------------------------|---------------------|
| Insulating material | PA GF | Colour | Black |
| Colour chart (similar) | RAL 9011 | Insulating material group | II |
| CTI | ≥ 500 | Insulation resistance | ≥ 10 ⁸ Ω |
| UL 94 flammability rating | V-0 | Contact material | Copper alloy |
| Contact surface | tinned | Layer structure of solder connection | 4-6 μm Sn matt |
| Layer structure of plug contact | 4-6 μm Sn matt | Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C | Max. relative humidity during storage | 80 % |
| Operating temperature, min. | -50 °C | Operating temperature, max. | 130 °C |
| Temperature range, installation, min. | -25 °C | Temperature range, installation, max. | 130 °C |

Rated data acc. to IEC

| | | | |
|---|--------------------|---|--------|
| Rated current, min. no. of poles (Tu=20°C) | 56.8 A | Rated current, max. no. of poles (Tu=20°C) | 41 A |
| Rated current, min. no. of poles (Tu=40°C) | 41 A | Rated current, max. no. of poles (Tu=40°C) | 41 A |
| Rated voltage for surge voltage class / pollution degree II/2 | 1,000 V | Rated voltage for surge voltage class / pollution degree III/2 | 630 V |
| Rated voltage for surge voltage class / pollution degree III/3 | 630 V | Rated impulse voltage for surge voltage class/ pollution degree II/2 | 6 kV |
| Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV | Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV |
| Short-time withstand current resistance | 3 x 1 s with 420 A | Clearance, min. | 6.9 mm |
| Creepage distance, min. | 9.66 mm | | |

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

200039-1534443

| | |
|------------------------------|--|
| Rated voltage (Use group B) | 300 V |
| Rated voltage (use group D) | 600 V |
| Rated current (use group B) | 35 A |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. |

| | |
|-----------------------------|-------|
| Rated voltage (Use group C) | 300 V |
| Rated current (use group B) | 35 A |
| Rated current (use group D) | 5 A |

Creation date April 19, 2018 8:01:14 PM CEST

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

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Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data
Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

| | | | |
|------------------------------|--|-----------------------------|---------|
| Rated voltage (use group B) | 300 V | Rated voltage (use group C) | 300 V |
| Rated voltage (use group D) | 600 V | Rated current (use group B) | 42 A |
| Rated current (use group C) | 42 A | Rated current (use group D) | 5 A |
| Clearance distance, min. | 6.9 mm | Creepage distance, min. | 9.66 mm |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC002637 | ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 | UNSPSC | 30-21-18-10 |
| eClass 5.1 | 27-26-07-04 | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 | eClass 8.1 | 27-44-04-02 |
| eClass 9.0 | 27-44-04-02 | eClass 9.1 | 27-44-04-02 |

Notes

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = 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.

IPC conformity

The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

Approvals

Approvals



ROHS

Conform

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

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Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Downloads

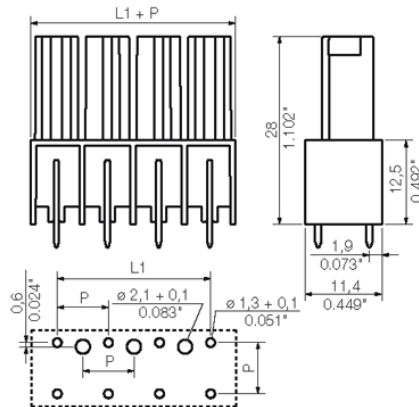
| | |
|---|--|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Brochure/Catalogue | FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE CAT 2 PORTFOLIOGUIDE EN FL HEATING ELECTR EN FL APPL. INVERTER EN FL_BASE_STATION_EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN |
| Engineering Data | EPLAN, WSCAD |
| Motion controllers white paper | Download Whitepaper |
| White Paper UL 600 V | Download Whitepaper |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

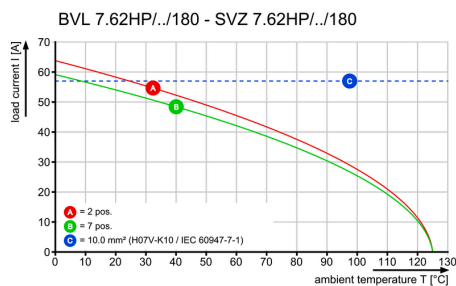
Weidmüller Interface GmbH & Co. KG
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D-32758 Detmold
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Drawings

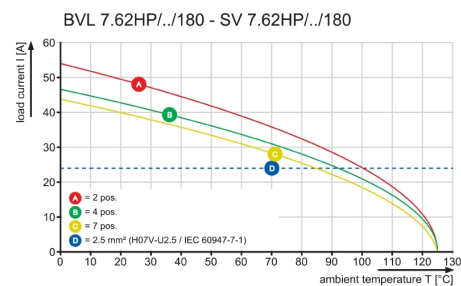
Dimensional drawing



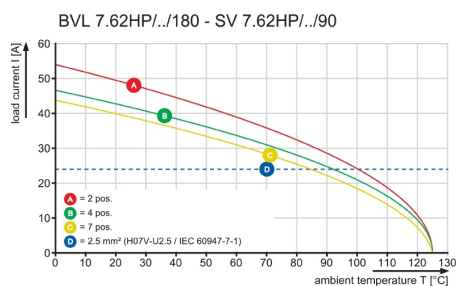
Graph



Graph



Graph



OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)

SV 7.62HP 180G SN



Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|--|---------------|-----------|--------------------|-----------|
| SV | 1930630000 | PCB plug-in connector, male | 4032248580606 | 48 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/180G | | header, closed side, THT | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box | | | | |

SVZ 7.62HP 180 SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|---|---------------|-----------|-----------------------------------|-----------|
| SVZ | 1931660000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248581658 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² | Box |
| 7.62HP/05/180G | | | | | UL: 600 V / 42 A / AWG 24 - AWG 8 | |
| SN BK BX | | | | | | |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)

SVZ 7.62HP 180SH210 SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|---------------------------------------|----------------------------|--|---------------|--------------|
| Discontinued 2013-05-01T00:00:00+02:00 | SVZ 7.62HP/05/180SH210 SN BK BX | 1932560000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248584178 | 25 pc(s). |

SVZ 7.62HP 180SH150 SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|---------------------------------------|----------------------------|--|---------------|--------------|
| Discontinued 2013-05-01T00:00:00+02:00 | SVZ 7.62HP/05/180SH150 SN BK BX | 1932310000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248582426 | 25 pc(s). |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)

SV 7.62HP 180GX SN

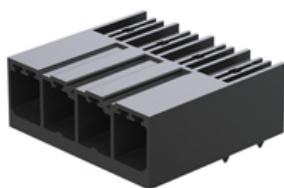


Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Delivery status Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|---|----------------------------|---|---------------|-----------|--|
| Discontinued SV 7.62HP/05/180GX 3.5SN BK BX | 1930960000 | PCB plug-in connector, male header, closed side / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248580934 | 50 pc(s). | IEC: 1000 V / 57 A UL: 300 V / 40.5 A |

SV 7.62HP 90G SN



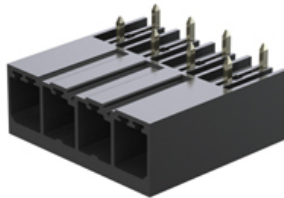
Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SV 7.62HP/05/90G 3.5SN BK BX | 1930300000 | PCB plug-in connector, male header, closed side, THT solder connection, 7.62 mm, No. of poles: 5, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248580170 | 48 pc(s). | IEC: 1000 V / 57 A UL: 300 V / 40.5 A | Box |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)
SV 7.62HP 270G SN


Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|--|---------------|-----------|--------------------|-----------|
| SV | 1931290000 | PCB plug-in connector, male | 4032248581320 | 48 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/270G | | header, closed side, THT | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | solder connection, 7.62 mm, No. of poles: 5, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box | | | | |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)

SV 7.62HP 90F SN



Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------|----------------------------|---|---------------|-----------|--------------------|-----------|
| SV | 1930410000 | PCB plug-in connector, male | 4032248580286 | 30 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/90F | | header, Clip-on flange, THT | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | solder connection, 7.62 mm, No. of poles: 5, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box | | | | |

SVZ 7.62HP 180SH180I SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------|----------------------------|---|---------------|-----------|--|-----------|
| SVZ | 1932520000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248584130 | 25 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 42 A / AWG 24 - AWG 8 | Box |
| 7.62HP/05/180RSH180I | | | | | | |
| SN BK BX | | | | | | |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SVZ 7.62HP 180SH150I SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|-----------------|---------------------------|--|----------------------------|--|---------------|--------------|
| Discontinued | 2013-07-31T00:00:00+02:00 | SVZ 7.62HP/05/180SH150I SN BK BX | 1932350000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248582464 | 25 pc(s). |

SVZ 7.62HP 180SH180 SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|---|---------------|-----------|--|-----------|
| SVZ 7.62HP/05/180SH180 SN BK BX | 1932480000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248583591 | 25 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 42 A / AWG 24 - AWG 8 | Box |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
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Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SVZ 7.62HP 180SH180C SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------|----------------------------|---|---------------|-----------|---|-----------|
| SVZ | 1951170000 | PCB plug-in connector, | 4032248630141 | 25 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm ² | Box |
| 7.62HP/05/180RSH180C | | male plug, 7.62 mm, No. | | | UL: 600 V / 42 A / AWG 24 - AWG 8 | |
| SN BK BX | | of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm ² , Box | | | | |

SVZ 7.62HP 180SFC SN

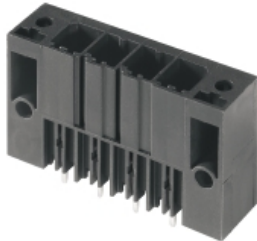

High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------|----------------------------|---|---------------|-----------|---|-----------|
| SVZ | 1951020000 | PCB plug-in connector, | 4032248629923 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm ² | Box |
| 7.62HP/05/180SFC | | male plug, 7.62 mm, No. | | | UL: 600 V / 42 A / AWG 24 - AWG 8 | |
| SN BK BX | | of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm ² , Box | | | | |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
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Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SV 7.62HP 180SF SN


Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------|----------------------------|-------------------------------|---------------|-----------|--------------------|-----------|
| SV | 1930850000 | PCB plug-in connector, | 4032248580828 | 30 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/180SF | | male header, Screw/clip- | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | on flange, THT solder | | | | |
| | | connection, 7.62 mm, No. | | | | |
| | | of poles: 5, 180°, Solder pin | | | | |
| | | length (l): 3.5 mm, tinned, | | | | |
| | | Black, Box | | | | |

SVZ 7.62HP 180F SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|---------------------------------------|---------------|-----------|---|-----------|
| SVZ | 1931840000 | PCB plug-in connector, | 4032248581771 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm ² | Box |
| 7.62HP/05/180F | | male plug, 7.62 mm, No. | | | UL: 600 V / 42 A / AWG 24 - AWG 8 | |
| SN BK BX | | of poles: 5, 180°, Clamping | | | | |
| | | yoke connection, Clamping | | | | |
| | | range, max. : 6 mm ² , Box | | | | |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)

SVZ 7.62HP 180SH210C SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|--|----------------------------|--|---------------|--------------|
| Discontinued 2012-03-31T00:00:00+02:00 | SVZ 7.62HP/05/180SH210C SN BK BX | 1951210000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248630189 | 25 pc(s). |

SVZ 7.62HP 180SH210I SN



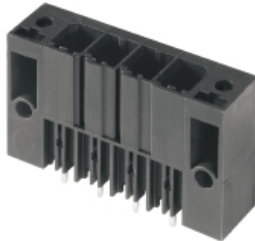
High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|--|----------------------------|--|---------------|--------------|
| Discontinued 2013-07-31T00:00:00+02:00 | SVZ 7.62HP/05/180SH210I SN BK BX | 1932600000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248584215 | 25 pc(s). |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

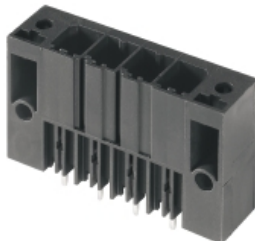
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SV 7.62HP 180F SN


Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|--|---------------|-----------|--------------------|-----------|
| SV | 1930740000 | PCB plug-in connector, male | 4032248580712 | 30 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/180F | | header, Clip-on flange, THT | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box | | | | |

SV 7.62HP 180FX SN


Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Delivery status | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------------|----------------------------|--|---------------|-----------|--|
| Discontinued | SV 7.62HP/05/180FX 3.5SN BK BX | 1931070000 | PCB plug-in connector, male header, Clip-on flange / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248581061 | 50 pc(s). | IEC: 1000 V / 57 A UL: 300 V / 40.5 A |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SVZ 7.62HP 180FI SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SVZ 7.62HP/05/180FI SN BK BX | 1932100000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max.: 6 mm², Box | 4032248582211 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 42 A / AWG 24 - AWG 8 | Box |

SVZ 7.62HP 180SH150C SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|--|----------------------------|---|---------------|--------------|
| Discontinued 2012-03-31T00:00:00+02:00 | SVZ 7.62HP/05/180SH150C SN BK BX | 1951130000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max.: 6 mm², Box | 4032248629701 | 25 pc(s). |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

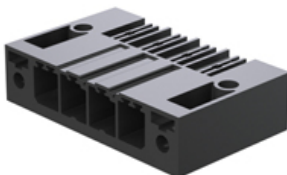
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SVZ 7.62HP 180SF SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SVZ 7.62HP/05/180SF SN BK BX | 1931990000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max.: 6 mm², Box | 4032248582006 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 42 A / AWG 24 - AWG 8 | Box |

SV 7.62HP 90SF SN


Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-------------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SV 7.62HP/05/90SF 3.5SN BK BX | 1930520000 | PCB plug-in connector, male header, Screw/clip- on flange, THT solder connection, 7.62 mm, No. of poles: 5, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248580491 | 30 pc(s). | IEC: 1000 V / 57 A UL: 300 V / 40.5 A | Box |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)

SV 7.62HP 270F SN



Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|--|---------------|-----------|--------------------|-----------|
| SV | 1931400000 | PCB plug-in connector, male | 4032248581436 | 30 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/270F | | header, Clip-on flange, THT | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | solder connection, 7.62 mm, No. of poles: 5, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box | | | | |

SV 7.62HP 270SF SN



Single-row, high-current and high-performance male connectors for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

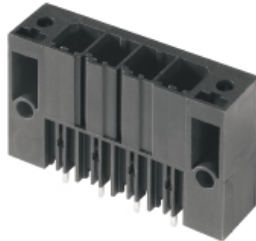
| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------|----------------------------|--|---------------|-----------|--------------------|-----------|
| SV | 1931510000 | PCB plug-in connector, male header, Screw/clip-on flange, THT solder connection, 7.62 mm, No. of poles: 5, 270°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248581542 | 30 pc(s). | IEC: 1000 V / 57 A | Box |
| 7.62HP/05/270SF | | | | | UL: 300 V / 40.5 A | |
| 3.5SN BK BX | | | | | | |

OMNIMATE Power - series BV/SV 7.62HP BVL 7.62HP/05/180 3.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)

SV 7.62HP 180SFX SN



Single-row, high-performance male header for side-by-side mounting without sacrificing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, with unique coding diversity and additional fastening in the flange. 3.5 mm pin length is optimised for lead-free wave soldering.

General ordering data

| Delivery status Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|--|----------------------------|---|---------------|-----------|---------------------------------------|
| Discontinued SV 7.62HP/05/180SFX 3.5SN BK BX | 1931180000 | PCB plug-in connector, male header, Screw flange / clip-on flange / anti-rotation feature, THT solder connection, 7.62 mm, No. of poles: 5, 180°, Solder pin length (l): 3.5 mm, tinned, Black, Box | 4032248581207 | 50 pc(s). | IEC: 1000 V / 57 A UL: 300 V / 40.5 A |

SVZ 7.62HP 180SFI SN



High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-------------------------------|----------------------------|---|---------------|-----------|--|-----------|
| SVZ 7.62HP/05/180SFI SN BK BX | 1932210000 | PCB plug-in connector, male plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 6 mm², Box | 4032248582327 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 42 A / AWG 24 - AWG 8 | Box |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SVZ 7.62HP 180FC SN


High-performance male header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, incorrect wiring protection. Suitable for labelling.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------|----------------------------|--|---------------|-----------|---|-----------|
| SVZ | 1950910000 | PCB plug-in connector, | 4032248629787 | 50 pc(s). | IEC: 1000 V / 57 A / 0.2 - 10 mm ² | Box |
| 7.62HP/05/180FC | | male plug, 7.62 mm, No. | | | UL: 600 V / 42 A / AWG 24 - AWG 8 | |
| SN BK BX | | of poles: 5, 180°, Clamping yoke connection, Clamping range, max.: 6 mm ² , Box | | | | |

**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/05/180 3.5SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Accessories**Coding elements****Only connects what is supposed to be connected:
the right connection at the right place.**

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

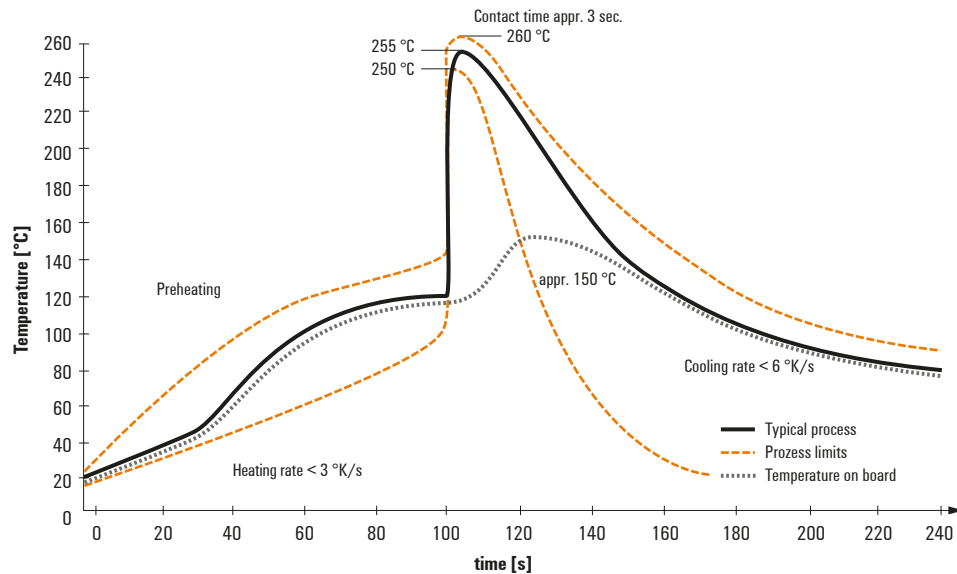
General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------|----------------------------|---|---------------|-----------|--------------|-----------|
| BV/SV 7.62HP KO | 1937590000 | PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1 | 4032248608881 | 50 pc(s). | UL: | Box |

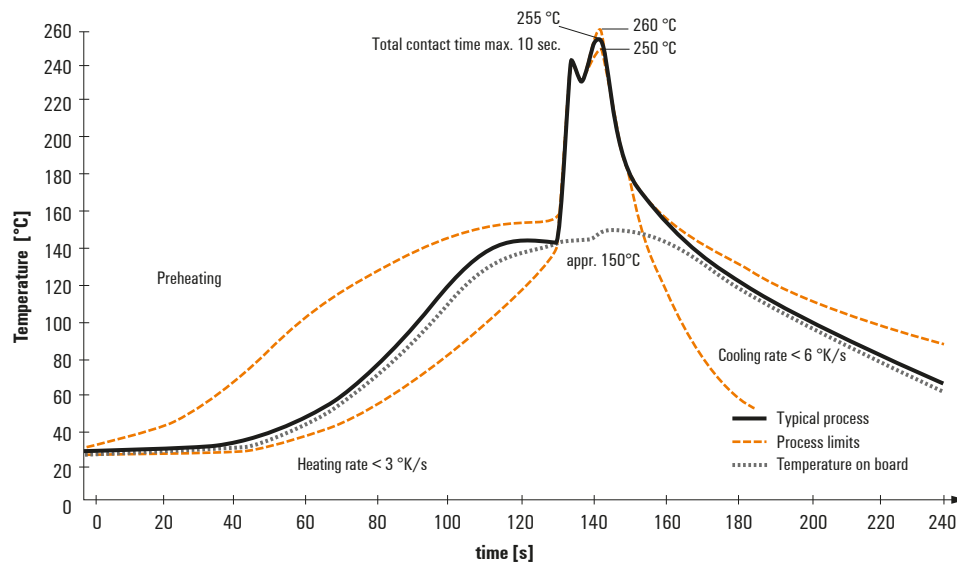
Recommended wave soldering profiles

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260 °C . In practice, the maximum soldering temperature is quite often well below the above maximum profile.

We reserve the right to make technical changes.