

**SVFL 7.62HP/03/180SFMF3 SN BK BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

180° inverted pin header with PUSH IN connection technology and adjustable actuator (pusher) for field wiring 6 mm<sup>2</sup> in a 7.62 pitch. Also ideal as a touch-safe solution for inverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1. Variants: without flange, external flange, middle flange with snap-on mechanism and optional additional screw mount.

**General ordering data**

|              |                                                               |
|--------------|---------------------------------------------------------------|
| Version      | PCB plug-in connector, male plug, 7.62 mm, Number of poles: 3 |
| Order No.    | <a href="#">2630540000</a>                                    |
| Type         | SVFL 7.62HP/03/180SFMF3 SN BK BX                              |
| GTIN (EAN)   | 4050118634181                                                 |
| Qty.         | 48 pc(s).                                                     |
| Product data | UL:                                                           |

Creation date April 16, 2021 5:30:39 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 21.21 g |
|------------|---------|

## System Parameters

|                                          |                                         |                                          |                  |
|------------------------------------------|-----------------------------------------|------------------------------------------|------------------|
| Product family                           | OMNIMATE Power - series<br>BV/SV 7.62HP | Type of connection                       | Field connection |
| Pitch in mm (P)                          | 7.62 mm                                 | Pitch in inches (P)                      | 0.3 inch         |
| Number of poles                          | 3                                       | L1 in mm                                 | 22.86 mm         |
| L1 in inches                             | 0.9 inch                                | Pin series quantity                      | 1                |
| Tightening torque for screw flange, min. | 0.2 Nm                                  | Tightening torque for screw flange, max. | 0.3 Nm           |
| Screwdriver blade                        | 0.6 x 3.5                               | Plugging cycles                          | 25               |

## Material data

|                                       |        |                                       |          |
|---------------------------------------|--------|---------------------------------------|----------|
| Colour                                | black  | Colour chart (similar)                | RAL 9011 |
| Storage temperature, min.             | -40 °C | Storage temperature, max.             | 70 °C    |
| Operating temperature, min.           | -50 °C | Operating temperature, max.           | 125 °C   |
| Temperature range, installation, min. | -25 °C | Temperature range, installation, max. | 125 °C   |

## Conductors suitable for connection

|                     |                                        |                              |                             |
|---------------------|----------------------------------------|------------------------------|-----------------------------|
| Clampable conductor | Cross-section for conductor connection | Type                         | fine-wired                  |
|                     |                                        | nominal                      | 2.5 mm <sup>2</sup>         |
|                     | wire end ferrule                       | Stripping length             | nominal 12 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H2.5/12</a>     |
|                     |                                        | Stripping length             | nominal 14 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H2.5/19D BL</a> |
|                     | Cross-section for conductor connection | Type                         | fine-wired                  |
|                     |                                        | nominal                      | 4 mm <sup>2</sup>           |
|                     | wire end ferrule                       | Stripping length             | nominal 12 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H4.0/12</a>     |
|                     |                                        | Stripping length             | nominal 14 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H4.0/20D GR</a> |
|                     | Cross-section for conductor connection | Type                         | fine-wired                  |
|                     |                                        | nominal                      | 6 mm <sup>2</sup>           |
|                     | wire end ferrule                       | Stripping length             | nominal 12 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H6.0/12</a>     |
|                     |                                        | Stripping length             | nominal 14 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H6.0/20 SW</a>  |
|                     | Cross-section for conductor connection | Type                         | fine-wired                  |
|                     |                                        | nominal                      | 1.5 mm <sup>2</sup>         |
|                     | wire end ferrule                       | Stripping length             | nominal 15 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H1.5/18D SW</a> |
|                     |                                        | Stripping length             | nominal 12 mm               |
|                     |                                        | Recommended wire-end ferrule | <a href="#">H1.5/12</a>     |

|                |                                                                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference text | The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage. |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## Technical data

## Rated data acc. to UL 1059

|                               |        |
|-------------------------------|--------|
| Wire cross-section, AWG, max. | AWG 10 |
|-------------------------------|--------|

## Packing

|            |        |           |        |
|------------|--------|-----------|--------|
| VPE length | 338 mm | VPE width | 130 mm |
| VPE height | 54 mm  |           |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | EC002638    |
| ECLASS 9.0  | 27-44-03-09 | ECLASS 9.1  | 27-44-03-09 |
| ECLASS 10.0 | 27-44-03-09 | ECLASS 11.0 | 27-46-02-02 |

## Important note

|                |                                                                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request. |
| Notes          | <ul style="list-style-type: none"> <li>Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months</li> </ul>                                                                                                                                                                   |

## Downloads

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Product Change Notification | <a href="#">EN - Change of isolation material</a><br><a href="#">DE - Werkstoffänderung Pusher</a> |
| User Documentation          | <a href="#">QR-Code product handling video</a>                                                     |
| Brochure/Catalogue          | <a href="#">Catalogues in PDF-format</a>                                                           |

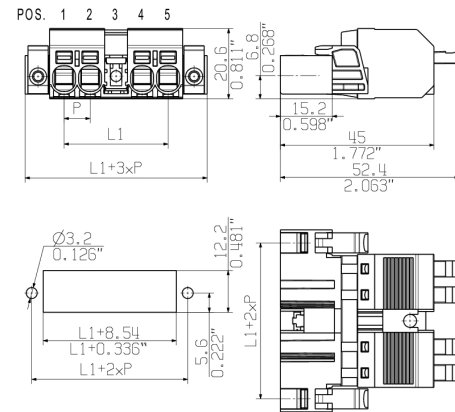
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## Drawings

## Dimensional drawing



Similar to illustration

## Connection diagram

|                            |        |                                                                                     |   |   |   |   |   |   |
|----------------------------|--------|-------------------------------------------------------------------------------------|---|---|---|---|---|---|
| 6                          | M(S)F6 | o                                                                                   | o | o | o | o | X | o |
| 6                          | M(S)F5 | o                                                                                   | o | o | o | X | o | o |
| 6                          | M(S)F4 | o                                                                                   | o | o | X | o | o | o |
| 6                          | M(S)F3 | o                                                                                   | o | X | o | o | o | o |
| 6                          | M(S)F2 | o                                                                                   | X | o | o | o | o | o |
| 5                          | M(S)F5 | o                                                                                   | o | o | o | X | o |   |
| 5                          | M(S)F4 | o                                                                                   | o | o | X | o | o |   |
| 5                          | M(S)F3 | o                                                                                   | o | X | o | o | o |   |
| 5                          | M(S)F2 | o                                                                                   | X | o | o | o | o |   |
| 4                          | M(S)F4 | o                                                                                   | o | o | X | o | o |   |
| 4                          | M(S)F3 | o                                                                                   | o | X | o | o | o |   |
| 4                          | M(S)F2 | o                                                                                   | X | o | o | o | o |   |
| 3                          | M(S)F3 | o                                                                                   | o | X | o | o | o |   |
| 3                          | M(S)F2 | o                                                                                   | X | o | o | o | o |   |
| 2                          | M(S)F2 | o                                                                                   | X | o | o | o | o |   |
| NO OF POLES                |        | 1 2 3 4 5 6 7                                                                       |   |   |   |   |   |   |
| X = MIDDLE FLANGE POSITION |        |  |   |   |   |   |   |   |

Similar to illustration

## Product benefits

