

**WSI 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| Version    | W-Series, Fuse terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1886580000</a>                                                         |
| Type       | WSI 4                                                                              |
| GTIN (EAN) | 4032248492060                                                                      |
| Qty.       | 50 pc(s).                                                                          |

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 42.5 mm    | Depth (inches) | 1.673 inch |
| Depth including DIN rail | 54 mm      | Height         | 50.7 mm    |
| Height (inches)          | 1.996 inch | Width          | 8 mm       |
| Width (inches)           | 0.315 inch | Net weight     | 11.08 g    |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

## System specifications

|                                     |                                                  |                               |    |
|-------------------------------------|--------------------------------------------------|-------------------------------|----|
| Version                             | Screw connection, Fuse isolator, in closed state | End cover plate required      | No |
| Number of potentials                | 1                                                | Number of levels              | 1  |
| Number of clamping points per level | 2                                                | Number of potentials per tier | 1  |
| Levels cross-connected internally   | No                                               | PE connection                 | No |
| Rail                                | TS 35                                            | N-function                    | No |
| PE function                         | No                                               | PEN function                  | No |

## 2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Cross-section for connected wire, solid, two clampable wires, max.                                         | 1.5 mm <sup>2</sup> | Cross-section for connected wire, solid, two clampable wires, min.                                         | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1.5 mm <sup>2</sup> |

## Additional technical data

|                             |   |                  |         |
|-----------------------------|---|------------------|---------|
| Number of similar terminals | 1 | Type of mounting | Snap-on |
|-----------------------------|---|------------------|---------|

## CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1575489 | Current size C (CSA)          | 15 A   |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

## Conductors for clamping (rated connection)

|            |              |
|------------|--------------|
| Blade size | 0.6 x 3.5 mm |
|------------|--------------|

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|                                                      |                                        |                              |                       |                  |  |
|------------------------------------------------------|----------------------------------------|------------------------------|-----------------------|------------------|--|
| Clampable conductor                                  | Connection specification               |                              | Screw connection      |                  |  |
|                                                      | Cross-section for conductor connection | Type                         | solid, H05(07) V-U    |                  |  |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 4 mm <sup>2</sup>     |                  |  |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 8 mm             |  |
|                                                      |                                        |                              | max.                  | 8 mm             |  |
|                                                      |                                        |                              | nominal               | 8 mm             |  |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm           |  |
|                                                      |                                        |                              | max.                  | 0.4 Nm           |  |
|                                                      |                                        | Recommended wire-end ferrule |                       |                  |  |
|                                                      |                                        | Connection specification     |                       | Screw connection |  |
|                                                      | Cross-section for conductor connection | Type                         | stranded, H07V-R      |                  |  |
|                                                      |                                        | min.                         | 1.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 4 mm <sup>2</sup>     |                  |  |
|                                                      | wire end ferrule                       | Stripping length             | min.                  | 8 mm             |  |
|                                                      |                                        |                              | max.                  | 8 mm             |  |
|                                                      |                                        |                              | nominal               | 8 mm             |  |
|                                                      |                                        | Tightening torque            | min.                  | 0.4 Nm           |  |
|                                                      |                                        |                              | max.                  | 0.4 Nm           |  |
|                                                      |                                        | Recommended wire-end ferrule |                       |                  |  |
|                                                      |                                        | Connection specification     |                       | Screw connection |  |
|                                                      | Cross-section for conductor connection | Type                         | flexible, H05(07) V-K |                  |  |
|                                                      |                                        | min.                         | 0.5 mm <sup>2</sup>   |                  |  |
|                                                      |                                        | max.                         | 4 mm <sup>2</sup>     |                  |  |
|                                                      |                                        | nominal                      | 4 mm <sup>2</sup>     |                  |  |
| wire end ferrule                                     | Stripping length                       | min.                         | 8 mm                  |                  |  |
|                                                      |                                        | max.                         | 8 mm                  |                  |  |
|                                                      |                                        | nominal                      | 8 mm                  |                  |  |
|                                                      | Tightening torque                      | min.                         | 0.4 Nm                |                  |  |
|                                                      |                                        | max.                         | 0.4 Nm                |                  |  |
|                                                      | Recommended wire-end ferrule           |                              |                       |                  |  |
|                                                      | Clamping range, max.                   |                              | 4 mm <sup>2</sup>     |                  |  |
| Clamping range, min.                                 |                                        | 0.5 mm <sup>2</sup>          |                       |                  |  |
| Clamping screw                                       |                                        | M 3                          |                       |                  |  |
| Connection cross-section, stranded, max.             |                                        | 4 mm <sup>2</sup>            |                       |                  |  |
| Connection cross-section, stranded, min.             |                                        | 1.5 mm <sup>2</sup>          |                       |                  |  |
| Connection direction                                 |                                        | on side                      |                       |                  |  |
| Gauge to IEC 60947-1                                 |                                        | A3                           |                       |                  |  |
| Number of connections                                |                                        | 2                            |                       |                  |  |
| Stripping length                                     |                                        | 8 mm                         |                       |                  |  |
| Tightening torque, max.                              |                                        | 0.4 Nm                       |                       |                  |  |
| Tightening torque, min.                              |                                        | 0.4 Nm                       |                       |                  |  |
| Torque level with DMS electric screwdriver           |                                        | 2                            |                       |                  |  |
| Type of connection                                   |                                        | Screw connection             |                       |                  |  |
| Wire connection cross section AWG, max.              |                                        | AWG 12                       |                       |                  |  |
| Wire connection cross section AWG, min.              |                                        | AWG 22                       |                       |                  |  |
| Wire connection cross section, finely stranded, max. |                                        | 4 mm <sup>2</sup>            |                       |                  |  |
| Wire connection cross section, finely stranded, min. |                                        | 0.5 mm <sup>2</sup>          |                       |                  |  |

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|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|---------------------|

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|---------------------|

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Wire connection cross-section, solid core, max. | 4 mm <sup>2</sup> |
|-------------------------------------------------|-------------------|

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Wire connection cross-section, solid core, min. | 0.5 mm <sup>2</sup> |
|-------------------------------------------------|---------------------|

## Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 32.5 mm |
|--------------|---------|

## Display element

|                                     |       |
|-------------------------------------|-------|
| Operating voltage for display, max. | 500 V |
|-------------------------------------|-------|

## Fuse terminals

|                |              |
|----------------|--------------|
| Cartridge fuse | G-Si. 5 x 20 |
|----------------|--------------|

|                                |          |
|--------------------------------|----------|
| Fuse holder (cartridge holder) | Pivoting |
|--------------------------------|----------|

|                                                                                  |                       |
|----------------------------------------------------------------------------------|-----------------------|
| Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C |
|----------------------------------------------------------------------------------|-----------------------|

|                                                                          |                       |
|--------------------------------------------------------------------------|-----------------------|
| Power loss for short-circuit protection only for a composite arrangement | 2.5 W at 6.3 A @ 47°C |
|--------------------------------------------------------------------------|-----------------------|

|         |             |
|---------|-------------|
| Display | Without LED |
|---------|-------------|

|                         |       |
|-------------------------|-------|
| Operating voltage, max. | 250 V |
|-------------------------|-------|

|                                                                                    |                       |
|------------------------------------------------------------------------------------|-----------------------|
| Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 34°C |
|------------------------------------------------------------------------------------|-----------------------|

|                                                                            |                       |
|----------------------------------------------------------------------------|-----------------------|
| Power loss for short-circuit protection only for an individual arrangement | 4.0 W at 6.3 A @ 63°C |
|----------------------------------------------------------------------------|-----------------------|

## General

|      |       |
|------|-------|
| Rail | TS 35 |
|------|-------|

|                                         |        |
|-----------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 12 |
|-----------------------------------------|--------|

|           |               |
|-----------|---------------|
| Standards | IEC 60947-7-3 |
|-----------|---------------|

|                                         |        |
|-----------------------------------------|--------|
| Wire connection cross section AWG, min. | AWG 22 |
|-----------------------------------------|--------|

## Rating data

|                     |                   |
|---------------------|-------------------|
| Rated cross-section | 4 mm <sup>2</sup> |
|---------------------|-------------------|

|                                     |       |
|-------------------------------------|-------|
| Rated voltage to adjoining terminal | 500 V |
|-------------------------------------|-------|

|               |       |
|---------------|-------|
| Rated current | 6.3 A |
|---------------|-------|

|           |               |
|-----------|---------------|
| Standards | IEC 60947-7-3 |
|-----------|---------------|

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 6 kV |
|---------------------------------|------|

|                    |   |
|--------------------|---|
| Pollution severity | 3 |
|--------------------|---|

|               |       |
|---------------|-------|
| Rated voltage | 500 V |
|---------------|-------|

|                  |       |
|------------------|-------|
| Rated DC voltage | 500 V |
|------------------|-------|

|                          |       |
|--------------------------|-------|
| Current at maximum wires | 6.3 A |
|--------------------------|-------|

|                                              |      |
|----------------------------------------------|------|
| Volume resistance according to IEC 60947-7-x | 1 mΩ |
|----------------------------------------------|------|

|                                             |        |
|---------------------------------------------|--------|
| Power loss in accordance with IEC 60947-7-x | 1.02 W |
|---------------------------------------------|--------|

## UL rating data

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

|                                            |        |
|--------------------------------------------|--------|
| Conductor size Factory wiring min. (cURus) | 30 AWG |
|--------------------------------------------|--------|

|                                          |        |
|------------------------------------------|--------|
| Conductor size Field wiring min. (cURus) | 30 AWG |
|------------------------------------------|--------|

|                        |      |
|------------------------|------|
| Current size C (cURus) | 15 A |
|------------------------|------|

|                        |       |
|------------------------|-------|
| Voltage size C (cURus) | 300 V |
|------------------------|-------|

|                                            |        |
|--------------------------------------------|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG |
|--------------------------------------------|--------|

|                                          |        |
|------------------------------------------|--------|
| Conductor size Field wiring max. (cURus) | 12 AWG |
|------------------------------------------|--------|

|                        |      |
|------------------------|------|
| Current size B (cURus) | 15 A |
|------------------------|------|

|                        |       |
|------------------------|-------|
| Voltage size B (cURus) | 300 V |
|------------------------|-------|

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## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ECLASS 9.0  | 27-14-11-16 | ECLASS 9.1  | 27-14-11-16 |
| ECLASS 10.0 | 27-14-11-16 | ECLASS 11.0 | 27-14-11-16 |
| ECLASS 12.0 | 27-14-11-16 | ECLASS 13.0 | 27-25-01-13 |

## Important note

Product information      The voltage depends on the selected fuse element or the selected indicator light

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Testreport</a><br><a href="#">CB Certificate</a><br><a href="#">CB Test certificate</a><br><a href="#">Lloyds Register Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                         |
| Engineering Data                            | <a href="#">Zuken E3.S</a>                                                                                                                                                                                                                                                                                              |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                                                                                                                                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                         |

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## Drawings

