

**ZSI 6-2/FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Spring connection with tension clamp Technology**

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| Version    | Z-series, Fuse terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension-clamp connection, black, Direct mounting |
| Order No.  | <a href="#">1814690000</a>                                                                                         |
| Type       | ZSI 6-2/FC                                                                                                         |
| GTIN (EAN) | 4032248358489                                                                                                      |
| Qty.       | 25 pc(s).                                                                                                          |

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**Technical data****Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 50 mm      | Depth (inches) | 1.969 inch |
| Depth including DIN rail | 51 mm      | Height         | 70 mm      |
| Height (inches)          | 2.756 inch | Net weight     | 20.6 g     |
| Width                    | 8.1 mm     | Width (inches) | 0.319 inch |

**Temperatures**

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

**Material data**

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

**System specifications**

|                                     |                                                                                                               |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Tension-clamp connection, Fuse cartridge, Without LED, for plug-in cross-connector, One end without connector | End cover plate required      | Yes |
| 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  |

**Additional technical data**

|                          |       |                     |                 |
|--------------------------|-------|---------------------|-----------------|
| Explosion-tested version | No    | Installation advice | Direct mounting |
| Open sides               | right | Type of mounting    | Snap-on         |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1152892 | Current size C (CSA)          | 25 A   |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 22 AWG         |                               |        |

**Conductors for clamping (additional connection)**

|                                                                                             |                   |
|---------------------------------------------------------------------------------------------|-------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 6 mm <sup>2</sup> |
|---------------------------------------------------------------------------------------------|-------------------|

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 4.0 x 0.8 mm         | Clamping range, max.                                                                    | 10 mm <sup>2</sup>       |
| Clamping range, min.                                                                    | 0.33 mm <sup>2</sup> | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A5                   | Number of connections                                                                   | 2                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 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, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm <sup>2</sup>        |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, max.                                         | 10 mm <sup>2</sup>       |
| Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>  |                                                                                         |                          |

## Display element

|                                     |       |                               |       |
|-------------------------------------|-------|-------------------------------|-------|
| Operating voltage for display, max. | 400 V | Type of voltage for indicator | AC/DC |
|-------------------------------------|-------|-------------------------------|-------|

## Fuse terminals

|                                                                          |                        |                                                                            |                        |
|--------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------|------------------------|
| Cartridge fuse                                                           | Blade fuse type C      | Display                                                                    | Without LED            |
| Fuse holder (cartridge holder)                                           | pluggable              | Operating voltage, max.                                                    | 250 V                  |
| Power loss for short-circuit protection only for a composite arrangement | 1.9 W at 24.0 A @ 28°C | Power loss for short-circuit protection only for an individual arrangement | 3.0 W at 30.0 A @ 24°C |
| Type of voltage for indicator                                            | AC/DC                  |                                                                            |                        |

## General

|                     |                            |      |       |
|---------------------|----------------------------|------|-------|
| Installation advice | Direct mounting            | Rail | TS 35 |
| Standards           | DIN 72581-3, IEC 60947-7-3 |      |       |

## Rating data

|                                             |                            |                                              |                   |
|---------------------------------------------|----------------------------|----------------------------------------------|-------------------|
| Power loss in accordance with IEC 60947-7-x | 1.31 W                     | Rated cross-section                          | 6 mm <sup>2</sup> |
| Rated voltage                               | 250 V                      | Rated voltage to adjoining terminal          | 250 V             |
| Rated current                               | 30 A                       | Current at maximum wires                     | 30 A              |
| Standards                                   | DIN 72581-3, IEC 60947-7-3 | Volume resistance according to IEC 60947-7-x | 0.78 mΩ           |
| Rated impulse withstand voltage             | 6 kV                       | Pollution severity                           | 3                 |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 10 AWG |
| Conductor size Factory wiring min. (cURus) | 22 AWG | Conductor size Field wiring max. (cURus)   | 10 AWG |
| Conductor size Field wiring min. (cURus)   | 22 AWG | UL_voltage_Print                           | 300 V  |
| UL_wire_max_Print                          | 10 AWG | UL_wire_min_Print                          | 22 AWG |
| Voltage size C (cURus)                     | 300 V  |                                            |        |

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | 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 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

**Downloads**

|                                             |                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DNVGL</a><br><a href="#">DNVGL certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                                                            |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                                                                                                                                         |

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**Drawings**

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