

**SAI-8-S12 3P M8 L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The new slim M8 line from Weidmüller. This range of products is characterised by the marking options at all connection positions. Even the 4-way distributor with 8-pole M12 has adequately large markers at all M8 connection positions. Furthermore, this distributor is shorter than many conventional M8 designs.

- Very narrow, short and flat M8 distributor.
- The range is supplied with 4 to 12 M8 connection positions, 3 or 4 poles.
- Hybrid variants of the M8 are also possible on request.
- The M8 line is equipped with transverse holes.

**General ordering data**

|            |                                                                                              |
|------------|----------------------------------------------------------------------------------------------|
| Version    | SAI Passive, Sensor-actuator passive distributor, M8, with M12 outlet, 12-pole, A-coded, Yes |
| Order No.  | <a href="#">1871680000</a>                                                                   |
| Type       | SAI-8-S12 3P M8 L                                                                            |
| GTIN (EAN) | 4032248451005                                                                                |
| Qty.       | 1 pc(s).                                                                                     |

Creation date January 28, 2022 6:07:52 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 111 g |
|------------|-------|

## Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -25 - 80°C |
|-----------------------|------------|

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Connection data

|                            |        |                    |                                   |
|----------------------------|--------|--------------------|-----------------------------------|
| Sheathing stripping length | 100 mm | Distributor outlet | with M12 outlet, 12-pole, A-coded |
|----------------------------|--------|--------------------|-----------------------------------|

## Electrical data

|                     |                   |                                         |      |
|---------------------|-------------------|-----------------------------------------|------|
| Rated voltage, min. | 10 V              | Rated voltage, max.                     | 30 V |
| Test voltage        | 1 kV              | Max. current-carrying capacity per slot | 2 A  |
| Total current       | 6 A               | Current per signal                      | 1 A  |
| Insulation strength | 10 <sup>9</sup> Ω |                                         |      |

## General technical data

|                                     |       |                             |        |
|-------------------------------------|-------|-----------------------------|--------|
| Protection degree                   | IP68  | Number of poles             | 3      |
| Number of contact sockets           | 8     | Connection thread           | M8     |
| Pollution severity                  | 3     | Fire behaviour              | V-0    |
| LED                                 | Yes   | LED initiator               | Yes    |
| LED colour for indicating operation | green | LED colour for I/O function | yellow |

## Material data

|                         |                    |                          |                             |
|-------------------------|--------------------|--------------------------|-----------------------------|
| Material O-Ring         | FKM                | Housing main material    | PBT                         |
| Material of distributor | Plastic            | Housing colour           | black (similar to RAL 9005) |
| Screw socket            | Nickel-plated CuZn | Contact material         | CuZn                        |
| Contact surface         | Gold-plated        | Contact carrier material | PBT (UL 94 V0)              |

## Technical data cable

|                 |   |                             |    |
|-----------------|---|-----------------------------|----|
| Number of poles | 3 | Suitable for cable carriers | No |
|-----------------|---|-----------------------------|----|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002585    | ETIM 7.0    | EC003558    |
| ETIM 8.0    | EC003558    | ECLASS 9.0  | 27-44-01-08 |
| ECLASS 9.1  | 27-44-01-08 | ECLASS 10.0 | 27-44-01-11 |
| ECLASS 11.0 | 27-44-01-11 |             |             |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search E92202

**Downloads**

|                             |                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                                                                                      |
| Engineering Data            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                             |
| Product Change Notification | <a href="#">20211208 Technical change to SAI M8 Line Distribution Boxes</a><br><a href="#">20211208 Technische Änderung zu SAI M8 Line Verteiler</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                                                                                             |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a>                                                                               |

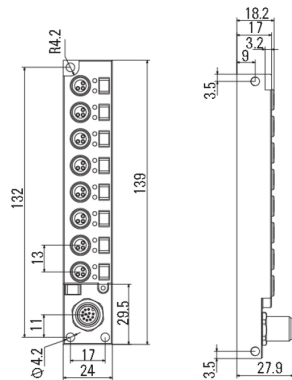
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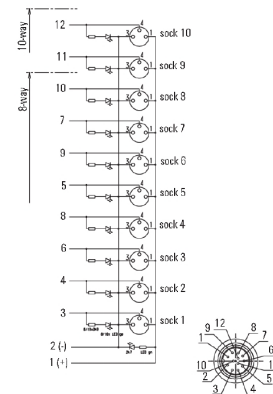
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# Drawings

## Dimensioned drawing



## Wiring diagram



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | DEK 5/5 MC NE WS           | Version                                                   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white                                        |
| Qty.       | 1,000 pc(s).               |                                                           |

# Mouser Electronics

Authorized Distributor

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[1871680000](#)