

**SAISGS-M-4A-6/8-M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly.

Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

|            |                                 |
|------------|---------------------------------|
| Version    | Field attachable connector, M12 |
| Order No.  | <a href="#">9455640000</a>      |
| Type       | SAISGS-M-4A-6/8-M12             |
| GTIN (EAN) | 4008190053611                   |
| Qty.       | 1 pc(s).                        |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 45 g |
|------------|------|

## Technical data customisable plug-in connectors

|                               |                      |                               |                      |
|-------------------------------|----------------------|-------------------------------|----------------------|
| Cable diameter, max.          | 8 mm                 | Cable diameter, min.          | 6 mm                 |
| Coding                        | A-coded              | Conductor cross-section, max. | 0.75 mm <sup>2</sup> |
| Conductor cross-section, min. | 0.14 mm <sup>2</sup> | Contact surface               | Gold-plated          |
| Gender of contact             | Male                 | Housing main material         | CuZn                 |
| Insulation strength           | 10 <sup>12</sup> Ω   | Number of poles               | 4                    |
| Pollution severity            | 3                    | Protection degree             | IP67                 |
| Rated current                 | 4 A                  | Rated voltage                 | 250 V                |
| Shield connection             | Yes                  | Temperature range of housing  | -40 ... +85 °C       |
| Threaded ring material        | Diecast zinc         | Type of connection            | Screw connection     |

## General Info

|                       |             |                           |      |
|-----------------------|-------------|---------------------------|------|
| Number of poles       | 4           | Connection 1              | M12  |
| Connection 2          | Screw       | UL 94 flammability rating | V-2  |
| Housing main material | CuZn        | Connection thread         | M12  |
| Contact surface       | Gold-plated | Protection degree         | IP67 |

## Standards

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002635    | ETIM 7.0    | EC002635    |
| ETIM 8.0    | EC002635    | ETIM 9.0    | EC002635    |
| ETIM 10.0   | EC002635    | ECLASS 9.0  | 27-44-01-02 |
| ECLASS 9.1  | 27-44-01-03 | ECLASS 10.0 | 27-44-01-02 |
| ECLASS 11.0 | 27-44-01-02 | ECLASS 12.0 | 27-44-01-16 |
| ECLASS 13.0 | 27-44-01-02 | ECLASS 14.0 | 27-44-01-16 |
| ECLASS 15.0 | 27-44-01-16 |             |             |

## Environmental Product Compliance

|                                      |                                               |
|--------------------------------------|-----------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                      |
| RoHS Exemption (if applicable/known) | 6c                                            |
| REACH SVHC                           | Lead 7439-92-1 Imidazolidine-2-thione 96-45-7 |
| SCIP                                 | 0a173d67-76ea-4f49-a7f9-34c254e699e8          |

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Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

|                       |            |
|-----------------------|------------|
| UL File Number Search | UL Website |
|-----------------------|------------|

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E307231 |
|-------------------------|---------|

**Downloads**

|                  |                                 |
|------------------|---------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a> |
|------------------|---------------------------------|

|                             |                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Change Notification | <a href="#">Technische Änderung für freikonfektionierbare M8 und M12 Steckverbinder</a><br><a href="#">Technical change to field attachable M8 and M12 connectors</a> |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                        |
|--------------------|------------------------|
| User Documentation | <a href="#">Manual</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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# Drawings

## Pole scheme

