

**SAI-08D-VP3V-4A-P12L-PNP****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Whereas the standard M12 system requires the sleeves to be laboriously screwed on and that operation is hindered by the vibration guard, M12 Push-Pull works with one click, just like those well-known garden hose systems. The audible locking function guarantees a safe and reliable connection as well as a good seal. The new SAI M12 Push-Pull distributors can be used with M12 plug-in connectors but also with the new M12 Push-Pull plug-in connectors.

**General ordering data**

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Version    | with M23 outlet, 12-pole, M12, M23, 30 V, A-coded, LED: Yes, LED initiator: Yes, Wiring type: PNP |
| Order No.  | <a href="#">3023700000</a>                                                                        |
| Type       | SAI-08D-VP3V-4A-P12L-PNP                                                                          |
| GTIN (EAN) | 4099986944701                                                                                     |
| Qty.       | 1 items                                                                                           |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E307231                    |

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Height     | 35.2 mm | Height (inches) | 1.3858 inch |
| Width      | 56 mm   | Width (inches)  | 2.2047 inch |
| Length     | 160 mm  | Length (inches) | 6.2992 inch |
| Net weight | 250 g   |                 |             |

## Temperatures

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

## Environmental Product Compliance

|                                      |                                                |
|--------------------------------------|------------------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                       |
| RoHS Exemption (if applicable/known) | 6c                                             |
| REACH SVHC                           | Lead 7439-92-1, Bumetrizole (UV-326) 3896-11-5 |
| SCIP                                 | aff684c1-bd47-44d6-8d6c-78b6bd183080           |

## Connection data

|                    |                          |                   |                          |
|--------------------|--------------------------|-------------------|--------------------------|
| Distributor outlet | with M23 outlet, 12-pole | Tightening torque | M12: 0.4 Nm, M23: 2.5 Nm |
|--------------------|--------------------------|-------------------|--------------------------|

## Standards

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-010 |
|--------------------|-----------------|

## Electrical data

|                                         |      |                                |      |
|-----------------------------------------|------|--------------------------------|------|
| Rated voltage, min.                     | 10 V | Rated voltage, max.            | 30 V |
| Max. current-carrying capacity per slot | 4 A  | Total current                  | 10 A |
| Current per signal                      | 2 A  | Electrical isolation available | No   |

## General technical data

|                                     |                       |                             |         |
|-------------------------------------|-----------------------|-----------------------------|---------|
| Protection degree                   | when screwed in, IP67 | Plug-in station coding      | A-coded |
| Number of poles                     | 4                     | Number of contact sockets   | 8       |
| Connection thread                   | M12, M23              | 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, NBR   | Housing main material | PBT         |
| Material of distributor  | Plastic    | Housing colour        | black       |
| Contact material         | CuSn, CuZn | Contact surface       | Gold-plated |
| Contact carrier material | PA         |                       |             |

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## Technical data

### Technical data cable

|                 |   |                             |    |
|-----------------|---|-----------------------------|----|
| Number of poles | 4 | Suitable for cable carriers | No |
|-----------------|---|-----------------------------|----|

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC003558    | ETIM 9.0    | EC003558    |
| ETIM 10.0   | EC003558    | ECLASS 14.0 | 27-44-01-11 |
| ECLASS 15.0 | 27-44-01-11 |             |             |

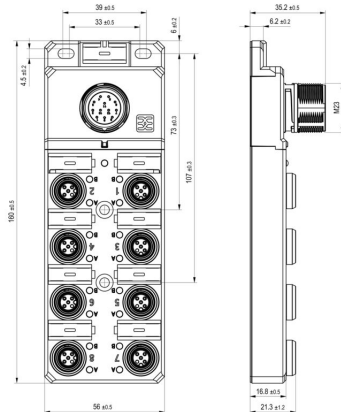
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# Drawings

## Dimensioned drawing



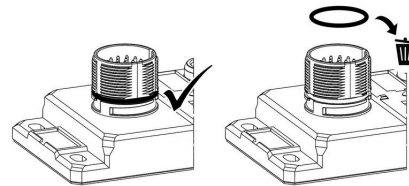
## Detailed drawing

**M23-Schraubanschluss:**  
Mit O-Ring verwenden

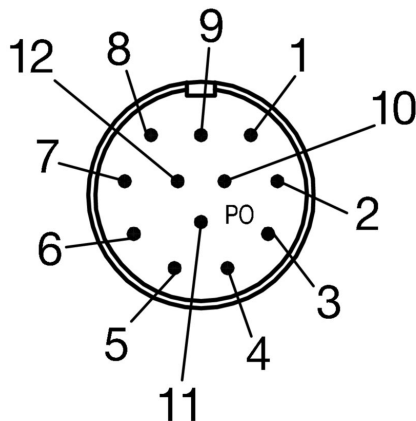
**M23 Screw connection:**  
Use with O-ring

**M23-Schnellanschluss:**  
O-Ring entfernen

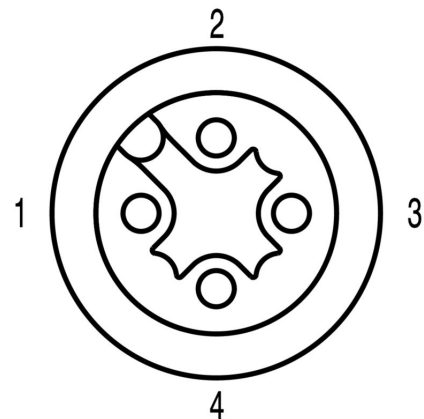
**M23 Quick connection:**  
Remove O-ring



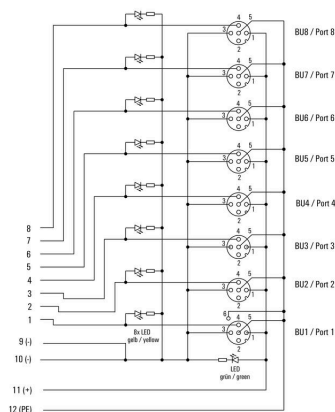
## Pole scheme



## Pole scheme



## Wiring diagram



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## Accessories

## Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

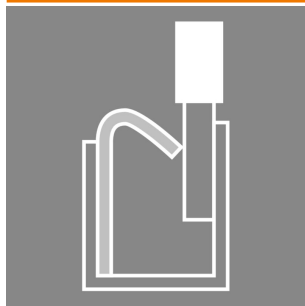
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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       | ESG 9/20 MC NE WS          | Version                                                      |  |
| Order No.  | <a href="#">1609940000</a> | ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable |  |
| GTIN (EAN) | 4008190203528              |                                                              |  |
| Qty.       | 200 ST                     |                                                              |  |

## PUSH IN



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.

## General ordering data

|            |                            |                                           |  |
|------------|----------------------------|-------------------------------------------|--|
| Type       | SAISGP-P-4A-4/8-P12        | Version                                   |  |
| Order No.  | <a href="#">3153290000</a> | Field attachable connector, M12 Push-Pull |  |
| GTIN (EAN) | 4099987636162              |                                           |  |
| Qty.       | 1 ST                       |                                           |  |
| Type       | SAISWP-P-4A-4/8-P12        | Version                                   |  |
| Order No.  | <a href="#">3153300000</a> | Field attachable connector, M12 Push-Pull |  |
| GTIN (EAN) | 4099987636179              |                                           |  |
| Qty.       | 1 ST                       |                                           |  |

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Protective caps protect unassigned plug-in stations against external influences.

**General ordering data**

|            |                            |                                                |  |
|------------|----------------------------|------------------------------------------------|--|
| Type       | SAI-SK-M12-PushPull        | Version                                        |  |
| Order No.  | <a href="#">3123470000</a> | Protected component assemblies, Protective cap |  |
| GTIN (EAN) | 4099987270120              |                                                |  |
| Qty.       | 1 ST                       |                                                |  |