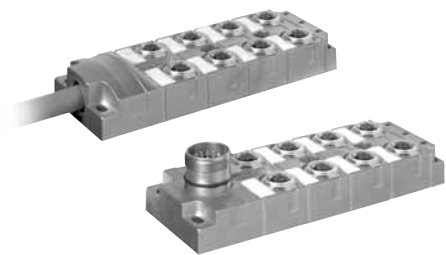


Distribution box M12 for rough environments



MVP12 Metal

4-, 8-way

with pre-wired cable, shielded or unshielded
with plug connector M23

MVP12 Metal DIAGNOSTIC

8-way

with pre-wired cable
current monitor and diagnostics

from 1.12.1

M12 Potted logic distributor



4-, 8-way

with plug connector M12
pre-connection of sensors

from 1.12.4

M12 Potted to CNOMO guideline



4-, 6-, 8-way

with pre-wired cable
with plug connector M23

from 1.12.5

M12 Potted



M12 Potted

4-, 6-, 8-way

with pre-wired cable

from 1.12.6

Distribution box M12

for general applications



MVP12

4-, 6-, 8-way

with pluggable connection cable,
with pre-wired cable

MVP12 connection cap

with pre-wired cable
with screw terminals

MVP12 basic housing

4-, 6-, 8-way

with potential separation

from 1.12.7



MVP12

4-, 6-, 8-way

with pluggable connection cap and screw-plug terminals

MVP12 FK

4-, 6-, 8-way

with spring clamp terminals

MVP12

8-way

with back plate connection
(field-wireable or single wires)

from 1.12.9



MVP12

4-, 6-, 8-way

with plug connector M23
with front faced plug connector M23

MVP12 UNIVERSAL

4-way

with pluggable connection cap and screw-plug terminals
separation contact via pluggable jumpers

from 1.12.12

Distribution box

in quick connection technology



MVP12

4-, 6-, 8-way

Quick connection technology

with pluggable connection cable
with pluggable connection cap and screw-plug terminals

page 1.12.14

Distribution box for sensors and actuators

- with pre-wired cable
- suitable for drag chains,
halogen free
- unshielded or shielded
- for digital or analog
signals

MVP12 Metal

4-way, 8-way
with pre-wired cable



Approvals: 

Contact layout

General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (–)
Contact 4: (N/O)/(S1)
Contact 5: (PE)
Shielding: M12 threaded sleeve

M12 female
5-pole



with LED
for digital PNP-signals 24 V DC

without LED
for analog signals or nominal voltage up to 125 V AC/DC

| Distribution box 4-way | | Art.-No. | Art.-No. |
|------------------------------------|--------------|----------|----------|
| connection cable, unshielded | cable length | | |
| PUR (UL/CSA-listed) | 3.0 m | 27471 | 27476 |
| 8 x 0.5/3 x 1 mm ² | 5.0 m | 27472 | 27477 |
| | 10.0 m | 27473 | 27478 |
| | 15.0 m | 27474 | 27479 |
| Distribution box 8-way | | Art.-No. | Art.-No. |
| connection cable, unshielded | cable length | | |
| PUR (UL/CSA-listed) | 3.0 m | 27491 | 27496 |
| 16 x 0.5/3 x 1 mm ² | 5.0 m | 27492 | 27497 |
| | 10.0 m | 27493 | 27498 |
| | 15.0 m | 27494 | 27499 |
| with potential separation | 3.0 m | 27521 | |
| left/right page ¹⁾ | 5.0 m | 27522 | |
| PUR (UL/CSA-listed) | 10.0 m | 27523 | |
| 16 x 0.34/5 x 0.75 mm ² | 15.0 m | 27524 | |
| Distribution box 4-way shielded | | Art.-No. | Art.-No. |
| connection cable | cable length | | |
| PUR (UL/CSA-listed) | 3.0 m | 27481 | 27486 |
| 8 x 0.34/3 x 0.75 mm ² | 5.0 m | 27482 | 27487 |
| | 10.0 m | 27483 | 27488 |
| | 15.0 m | 27484 | 27489 |
| Distribution box 8-way shielded | | Art.-No. | Art.-No. |
| connection cable | cable length | | |
| PUR (UL/CSA-listed) | 3.0 m | 27511 | 27516 |
| 16 x 0.34/3 x 0.75 mm ² | 5.0 m | 27512 | 27517 |
| | 10.0 m | 27513 | 27518 |
| | 15.0 m | 27514 | 27519 |

Accessories

page 1.12.2

Notes

¹⁾ Sockets 1, 3, 5, 7 or 2, 4, 6, 8 may vary.
Other versions on request. Technical data in chapter 1.3.

Distribution box
for sensors and actuators

- with 19-pole
plug connector M23
- suitable for unshielded or
shielded cables
- for digital or analog
signals

MVP12 Metal
4-way, 8-way
with plug connector M23

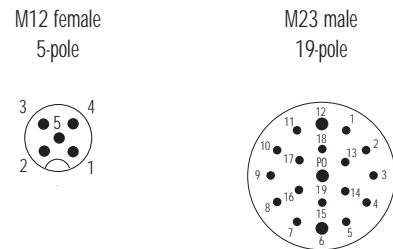


Approvals: 

Contact layout

General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (-)
Contact 4: (N/O)/(S1)
Contact 5: (PE)
Shielding: M12 threaded sleeve
M23 outer thread



with LED
for digital PNP-signals 24 V DC

without LED
for analog signals or nominal voltage up to 125 V AC/DC

| Ordering data | | Art.-No. | Art.-No. |
|-------------------------------------|---------|--|----------|
| Distribution box 4-way | | 27530 | 27531 |
| Distribution box 4-way | | 27533 | |
| Distribution box 8-way | | 27535 | 27536 |
| Accessories | | | Art.-No. |
| Blind plug for empty sockets | | metal, hexagon, shielded | 996049 |
| Blind plug for empty sockets | | plastic | 58627 |
| Protective conductor connection set | | cable fork1.5...2.5 mm², screw, washer and lock washer | 996064 |
| V2A-base plate | 4-way | for back plated EMC-protection, with fixing bolts | 996065 |
| | 8-way | for back plated EMC-protection, with fixing bolts | 996066 |
| Label plates | | 2 strips = 10 pieces, (Murrplastik KES 20 x 8) | 996067 |
| Snap foot for DIN-rail | | with fixing bolts, plastic | 27905 |
| Female connector M23 | 19-pole | chapter 1.6 | |

Notes

Other versions on request.
Technical data from 1.3. onwards.

Diagnostic distributor
for sensors and actuators

- integrated current monitoring
- electronic diagnostics with ERROR-LED
- with pre-wired cable
- suitable for drag chains halogen free

MVP12 Metal DIAGNOSTIC

8-way
with pre-wired cable



Contact layout

General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (–)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

M12 female
5-pole



| | | | |
|--|----------|---|--|
| with LED for PNP-signals 24 V DC | | Current range 0.5 A per port for sensors and small valves | Current range 2 A per port for hydraulic valves |
| Ordering data | | Art.-No. | Art.-No. |
| with potential separation 0 V | 5.0 m | 27500 | 27590 |
| PUR (UL/CSA) | 10.0 m | 27501 | 27591 |
| 16 x 0.34/5 x 0.75 mm² | 15.0 m | 27502 | 27592 |
| Technical data | | | |
| Nominal voltage | | 24 V DC (18...30.2 V DC), potential separation 0 V for left/right side | |
| Current usage module | | max. 35 mA | |
| Diagnostics output | | “active high”, max. 25 mA loaded, wire “brown 2” | |
| M12 male | | | |
| Max. nominal current via contact 3 (0 V) | | 0.5 A (switch-off 0.7...0.9 A) | 2 A (switch-off 2.3...2.7 A) |
| Switchable capacity | | max. 1470 µF | |
| Short-circuit protection and overload | | pulse switch | |
| Required power supply unit | | ≥ 10 A | ≥ 20 A |
| General data | | | |
| Indicator | module | green LED: P1 and P2; red LED: ERROR for optical diagnostics | |
| | M12 port | yellow LED: contact 4 and 2, interference: 2 x red LED | |
| Temperature range | | -20...+60 °C | |
| Protection | | IP65 and IP67, when plugged and screwed down | |
| Description | | | |
| | | All M12 plug positions are current monitored, and are switched off in case of a overload or short-circuit (self-reseting). Supply voltage remains the same. In case of a fault the DIAGNOSTIC signal drops from 24V DC to 0V. When the input to the PLC has been evaluated, and sensors/actuators are found to be defective or the installation damaged, the system or machine can be switched off or shut down immediatley. – stagnation time will be minimized – error can be localized easily through “ERROR”LED and red LEDs at even M12 socket | |
| Accessories | | | |
| | | page 1.12.2 | |
| Notes | | | |
| | | Other versions e.g. with M23 connector on request. Technical data in chapter 1.3. | |

Logic distributor for sensors

- with plug connector M12
- logical function via DIP switch

M12 Potted Logical

4-way, 8-way



Contact layout

M12 female:

- Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (–)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

M12 male
5-pole



M12 female
5-pole



Ordering data

Distribution box 4-way, 5-pole

Art.-No.

276477

Art.-No.

Distribution box 8-way, 4-pole or Y-function

276247

Technical data

| | |
|---------------------------------|--|
| Nominal voltage | 24 V DC (10...30 V DC) |
| Current per contact | max. 35 mA |
| Power supply sensor (contact 1) | max. 800 mA short-circuit and overload protected |
| Max. output current M12 male | 400 mA |
| Output protection | < 700 mA short-circuit and overload protected |

General data

| | |
|-------------------|---|
| Indicator | green LED: output S2 and input "reset" (sockets 1, 3, 5, 7); yellow LED: output S4 and input "feed" (sockets 2, 4, 6, 8); red LED: input voltage |
| Temperature range | -10...+50 °C |
| Protection | IP67, when plugged and screwed down |

Description

Sensors are electrically combined in the distributor and being lead as a whole to the control via an M12 cable. Logical function 1 x 8 AND/NOR, 2 x 4 AND, 2 x 4 XOR can be chosen via DIP-switch. Not used M12 female can be switched off. Pre-connection reduces cable cost, PLC-input, as well as program cycle time.

4-way distribution box, M12 female (2 signals each port) for double assignment

8-way distribution box, M12 female, Y-function for double assignment:

- 5-pole (2 signals each port) sockets 1, 3, 5 and 7 needs to be sealed with a protection cap
- 4-pole (1 signal each port)

Accessories

page 1.12.5

Notes

Manual Art.-No. 276584.
Technical data in chapter 1.3.

Distribution box for sensors and actuators

- with pre-wired cable
- with 19-pole plug connector M23

M12 Potted

4-way, 6-way, 8-way with pre-wired cable



M12 Potted

4-way, 6-way, 8-way with plug connector M23



Contact layout

General:
Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (-)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

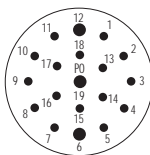
M12 female 5-pole



M12 female 5-pole



M23 male 19-pole



| | | | | | |
|-----------------------------------|--------------|-----------------------------------|-----------|-----------|--------|
| without LED | | | | | |
| Distribution box 4-way | | Art.-No. | Art.-No. | Art.-No. | |
| connection cable | cable length | PUR CNOMO | PVC CNOMO | | |
| | 5.0 m | 276839 | 276056 | | |
| 8 x 0.34/3 x 1.0 mm ² | 10.0 m | 276840 | 276055 | | |
| | 15.0 m | 276841 | 276309 | | |
| plug connector M23 | | | | 276315 | |
| Distribution box 6-way | | Art.-No. | Art.-No. | Art.-No. | |
| connection cable | cable length | PUR CNOMO | PVC CNOMO | | |
| | 5.0 m | 276842 | 276460 | | |
| 12 x 0.34/3 x 1.0 mm ² | 10.0 m | 276843 | 276461 | | |
| | 15.0 m | 276844 | 276462 | | |
| plug connector M23 | | | | 276459 | |
| Distribution box 8-way | | Art.-No. | Art.-No. | Art.-No. | |
| connection cable | cable length | PUR CNOMO | PVC CNOMO | | |
| | 5.0 m | 276845 | 276058 | | |
| 16 x 0.34/3 x 1.0 mm ² | 10.0 m | 276846 | 276057 | | |
| | 15.0 m | 276847 | 276311 | | |
| plug connector M23 | | | | 276314 | |
| Accessories | | | | Art.-No. | |
| Blind plug for empty sockets | | plastic | | 58627 | |
| Snap foot for DIN-rail | | with fixing bolts | | 27905 | |
| Label plate | | 1 piece, (Murrplastik KSS 20 x 9) | | 90900 | |
| Female connector M23 | cable length | | PUR CNOMO | PVC CNOMO | |
| 19-pole | 5.0 m | | 276833 | | 276390 |
| 16 x 0.34/3 x 1.0 mm ² | 10.0 m | | 276834 | | 276391 |
| for distribution box 8-way | 15.0 m | | 276835 | | 276392 |

Notes

Other versions on request.
Technical data chapter 1.3.


Distribution box for sensors and actuators

– with pre-wired cable

M12 Potted

4-way, 6-way, 8-way
with pre-wired cable



Approvals: 

Contact layout

General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (–)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

M12 female
4-pole



M12 female
5-pole




| Distribution box 4-way | | Art.-No. | Art.-No. |
|------------------------------|------------------------------------|--------------|----------|
| connection cable | cable length | | |
| PUR/PVC | 3.0 m | 27857 | 27832 |
| 4 x or 8 x 0.34/ | 5.0 m | 27858 | 27833 |
| 3 x 0.75 mm ² | 10.0 m | 27859 | 27834 |
| | 15.0 m | 27860 | 27835 |
| Distribution box 6-way | | Art.-No. | Art.-No. |
| connection cable | cable length | | |
| PUR/PVC | 3.0 m | 27861 | 27842 |
| 6 x or 12 x 0.34/ | 5.0 m | 27862 | 27843 |
| 3 x 0.75 mm ² | 10.0 m | 27863 | 27844 |
| | 15.0 m | 27864 | 27845 |
| Distribution box 8-way | | Art.-No. | Art.-No. |
| connection cable | cable length | | |
| PUR/PVC | 1.0 m | | |
| 8 x or 16 x 0.34/ | 3.0 m | 27865 | 27852 |
| 3 x 0.75 mm ² | 5.0 m | 27866 | 27853 |
| | 10.0 m | 27867 | 27854 |
| | 15.0 m | 27868 | 27855 |
| Accessories | | Art.-No. | |
| Blind plug for empty sockets | plastic | 58627 | |
| Snap foot for DIN-rail | with fixing bolts | 27905 | |
| Label plate | 1 pieces, (Murrplastik KSS 20 x 9) | 90900 | |
| Female connector M23 | 19-pole | chapter 1.6. | |

Notes

Other versions on request.
Technical data in chapter 1.3.

Distribution box
for sensors and actuators

- with plugged
connection cable
- with pre-wired cable
- potential separation via
pluggable jumpers

Approvals: 

MVP12





4-way, 6-way, 8-way
with plugged connection cable



MVP12

8-way
with pre-wired cable



| Contact layout | | | | | |
|--|---|---|---|--|---|
| General: | | M12 female 4-pole | M12 female 5-pole | M12 female 5-pole | M12 female 5-pole |
| Contact 1: | (+) |  |  |  |  |
| Contact 2: | (N/C)/(S2) | | | | |
| Contact 3: | (-) | | | | |
| Contact 4: | (N/O)/(S1) | | | | |
| Contact 5: | (PE) | | | | |
| with LED for PNP-signals 24 V DC | | | | with potential separation | |
| Distribution box 4-way | | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| connection cable | cable length | | | | |
| PUR/PVC | 3.0 m | 27011 | 27025 | 27071 | |
| 4 x or 8 x 0.34/ | 5.0 m | 27012 | 27026 | 27072 | |
| 3 x or 5 x 0.75 mm ² | 10.0 m | 27013 | 27027 | 27073 | |
| | 15.0 m | 27014 | 27028 | 27074 | |
| Distribution box 6-way | | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| connection cable | cable length | | | | |
| PUR/PVC | 3.0 m | 27015 | 27031 | 27075 | |
| 6 x or 12 x 0.34/ | 5.0 m | 27016 | 27032 | 27076 | |
| 3 x or 5 x 0.75 mm ² | 10.0 m | 27017 | 27033 | 27077 | |
| | 15.0 m | 27018 | 27034 | 27078 | |
| Distribution box 8-way | | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
| connection cable | cable length | | | | |
| PUR/PVC | 3.0 m | 27021 | 27035 | 27081 | 5127035 |
| 8 x or 16 x 0.34/ | 5.0 m | 27022 | 27036 | 27082 | 5127036 |
| 3 x 0.75 mm ² | 10.0 m | 27023 | 27037 | 27083 | 5127037 |
| | 15.0 m | 27024 | 27038 | 27084 | 5127038 |
| Accessories | | Art.-No. | | | |
| Blind plug for empty sockets | plastic | 58627 | | | |
| Snap foot for DIN-rail | with fixing bolts | 27905 | | | |
| Label plates | 2 strips = 12 pieces, (Murrplastik ABB 17 x 9 type M) | 996050 | | | |
| Coding elements for screw-plug terminals | for 6 codings | 996054 | | | |
| Adapter | M12/M8 | 7000-42201-0000000 | | | |

| Notes | Other versions on request. Technical data in chapter 1.3. |
|-------|--|
|-------|--|

Distribution box for sensors and actuators

Single components

- potential separation via pluggable jumpers

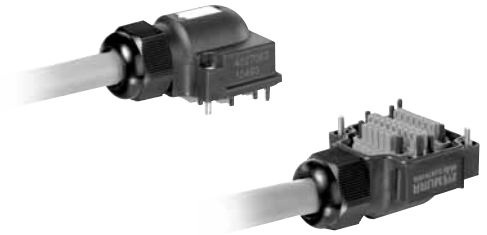
MVP12 basic housing

4-way, 6-way, 8-way
with potential separation



MVP12 connection cap

with and without pre-wired cable



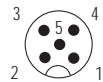
Approvals: 

Contact layout

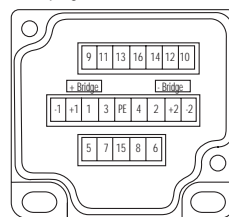
General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (–)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

M12 female
5-pole



screw-plug terminals max. 1.5 mm²/AWG 16



LED-Indicator for 24 V DC

| Ordering data | | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. | Art.-No. |
|--|-----------------|------------------------------------|----------|----------|----------|----------|----------|
| | | 4-way | 6-way | 8-way | 4-way | 6-way | 8-way |
| Basic housing | for PNP-signals | 27114 | 27115 | 27116 | | | |
| Basic housing | for NPN-signals | 276563 | | 276565 | | | |
| Basic housing | without LED | 276576 | 276577 | 276596 | | | |
| Connection cap without cable | | | | | Art.-No. | Art.-No. | Art.-No. |
| Connection cap with screw-plug terminals | | | | | 4127775 | 4127775 | 4127775 |
| Connection cap with cable | | for 4-way distribution box, 5-pole | | | Art.-No. | Art.-No. | Art.-No. |
| PUR/PVC | 3.0 m | | | | 4027025 | | |
| 8 x 0.34/3 x 0.75 mm ² | 5.0 m | | | | 4027026 | | |
| without potential separation | 10.0 m | | | | 4027027 | | |
| | 15.0 m | | | | 4027028 | | |
| PUR/PVC | 3.0 m | | | | 4027071 | | |
| 8 x 0.34/5 x 0.75 mm ² | 5.0 m | | | | 4027072 | | |
| with potential separation | 10.0 m | | | | 4027073 | | |
| | 15.0 m | | | | 4027074 | | |
| Connection cap with cable | | for 6-way distribution box, 5-pole | | | Art.-No. | Art.-No. | Art.-No. |
| PUR/PVC | 3.0 m | | | | | 4027031 | |
| 12 x 0.34/3 x 0.75 mm ² | 5.0 m | | | | | 4027032 | |
| without potential separation | 10.0 m | | | | | 4027033 | |
| | 15.0 m | | | | | 4027034 | |
| PUR/PVC | 3.0 m | | | | | 4027075 | |
| 12 x 0.34/5 x 0.75 mm ² | 5.0 m | | | | | 4027076 | |
| with potential separation | 10.0 m | | | | | 4027077 | |
| | 15.0 m | | | | | 4027078 | |
| Connection cap with cable | | for 8-way distribution box, 5-pole | | | Art.-No. | Art.-No. | Art.-No. |
| PUR/PVC | 3.0 m | | | | | | 4027035 |
| 16 x 0.34/3 x 0.75 mm ² | 5.0 m | | | | | | 4027036 |
| without potential separation | 10.0 m | | | | | | 4027037 |
| | 15.0 m | | | | | | 4027038 |
| PUR/PVC | 3.0 m | | | | | | 4027081 |
| 16 x 0.34/5 x 0.75 mm ² | 5.0 m | | | | | | 4027082 |
| with potential separation | 10.0 m | | | | | | 4027083 |
| | 15.0 m | | | | | | 4027084 |

Notes

Technical data in chapter 1.3.


Distribution box for sensors and actuators


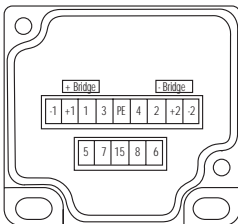

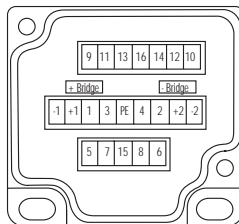
- with screw-plug terminals for field wiring
- potential separation via pluggable jumpers

MVP12

4-way, 6-way, 8-way
with pluggable connection cap
with potential separation



Approvals: 

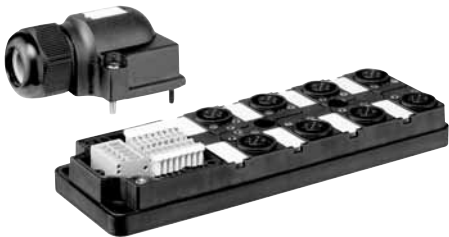
| Contact layout | | | |
|--|--|--|--|
| General: | | M12 female 4-pole | screw-plug terminals max. 1.5 mm²/AWG 16 |
| Contact 1: (+) | |  |  |
| Contact 2: (N/C)/(S2) | | | |
| Contact 3: (-) | | | |
| Contact 4: (N/O)/(S1) | | | |
| Contact 5: (PE) | | | |
| with LED for PNP-signals 24 V DC | | M12 female 5-pole | screw-plug terminals max. 1.5 mm²/AWG 16 |
| | |  |  |
| Ordering data | | Art.-No. | |
| Distribution box 4-way | | 27776 | |
| Distribution box 6-way | | 27777 | |
| Distribution box 8-way | | 27778 | |
| Accessories | | Art.-No. | |
| Blind plug for empty sockets | | plastic | |
| Snap foot for DIN-rail | | with fixing bolts | |
| Label plates | | 2 strips = 12 pieces, (Murrplastik ABB 17 x 9 type M) | |
| Coding elements for screw-plug terminals | | for 6 codings | |
| Adapter M12/M8 | | connection of M8 male 3-pol. to M12 sockets | |
| | | 7000-42201-000000 | |

| Notes | Technical data in chapter 1.3. |
|-------|--------------------------------|
|-------|--------------------------------|

Distribution box
for sensors and actuators

- with spring clamp terminals
for field wiring

MVP12 FK
4-way, 6-way, 8-way
with connection cap



Approvals: 

Contact layout

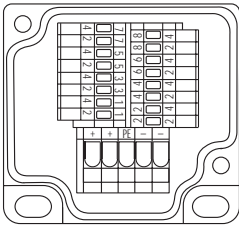
General:

- Contact 1: (+)
- Contact 2: (N/C)/(S2)
- Contact 3: (–)
- Contact 4: (N/O)/(S1)
- Contact 5: (PE)

M12 female
5-pole



spring clamp terminals max. 0.5/1.5 mm² (AWG 20/AWG 16)



with LED for PNP-signals 24 V DC

| Ordering data | | | | Art.-No. |
|------------------------------|--------------------|---|------------------------|----------|
| Distribution box 4-way | | | | 27797 |
| Distribution box 6-way | | | | 27798 |
| Distribution box 8-way | | | | 27799 |
| Accessories | | | | Art.-No. |
| Blind plug for empty sockets | | plastic | | 58627 |
| Snap foot for DIN-rail | | with fixing bolts | | 27905 |
| Label plates | | 2 strips = 12 pieces, (Murrplastik ABB 17 x 9 type M) | | 996050 |
| Cable 50 m ring | application 4-pole | 4-way | 4 x 0.34/ 3 x 0.75mm² | 90700 |
| | | 6-way | 6 x 0.34/ 3 x 0.75mm² | 90701 |
| | | 8-way | 8 x 0.34/ 3 x 0.75mm² | 90702 |
| Cable 50 m ring | application 5-pole | 4-way | 8 x 0.34/ 3 x 0.75mm² | 90703 |
| | | 6-way | 12 x 0.34/ 3 x 0.75mm² | 90704 |
| | | 8-way | 16 x 0.34/ 3 x 0.75mm² | 90705 |

Notes

Technical data in chapter 1.3.

Distribution box for sensors and actuators

- with back plate connection (field-wireable or single wires)
- potential separation via pluggable jumpers
- flat gasket supplied

MVP12
8-way
for direct mounting on control panels



Contact layout

General:

Contact 1: (+)
Contact 2: (N/C)/(S2)
Contact 3: (-)
Contact 4: (N/O)/(S1)
Contact 5: (PE)

M12 female
5-pole



with LED for PNP-signals 24 V DC

| Distribution box 8-way | | Art.-No. | with potential separation | Art.-No. |
|---|---|---|---------------------------|--------------------|
| Single wires | length | | | |
| PUR | 1.0 m | 27146 | | 27151 |
| 16 x 0.34/ | 3.0 m | 27148 | | 27153 |
| 3 x or 5 x 0.75 mm ² | 5.0 m | 27149 | | |
| Field-wireable max. 1.5 mm ² /AWG 16 | | | | 27158 |
| Accessories | | | | Art.-No. |
| Blind plug for empty sockets | plastic | | | 58627 |
| Label plates | 2 strips = 12 pieces, (Murrplastik ABB 17 x 9 type M) | | | 996050 |
| Coding elements for screw-plug terminals | for 6 codings | | | 996054 |
| Adapter | M12/M8 | connection of M8 male 3-pole to M12 sockets | | 7000-42201-0000000 |

Notes

Technical data in chapter 1.3.

Distribution box for sensors and actuators

- with 12- or 19-pole plug connector M23

MVP12

4-way, 6-way, 8-way
with plug connector M23


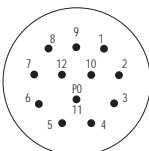

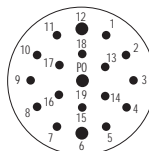


MVP12

4-way, 6-way, 8-way
with front faced plug connector M23



Approvals: 

| Contact layout | | | | | |
|----------------------------------|-------------|---|--|---|--|
| General: | | M12 female 4-pole | M23 male 12-pole | M12 female 5-pole | M23 male 19-pole |
| Contact 1: | (+) |  |  |  |  |
| Contact 2: | (N/C)/(S2) | | | | |
| Contact 3: | (-) | | | | |
| Contact 4: | (N/O)/(S1) | | | | |
| Contact 5: | (PE) | | | | |
| with LED for PNP-signals 24 V DC | | | | | |
| Ordering data | | Art.-No. | | Art.-No. | |
| Distribution box 4-way | | 27763 | | 27782 | |
| Distribution box 6-way | | 27764 | | 27783 | |
| Distribution box 8-way | | 27765 | | 27784 | |
| Accessories | | | | Art.-No. | |
| Blind plug for empty sockets | | plastic | | 58627 | |
| Snap foot for DIN-rail | | with fixing bolts | | 27905 | |
| Label plates | | 2 strips = 12 pieces, (Murrplastik ABB 17 x 9 type M) | | 996050 | |
| Adapter | M12/M8 | connection of M8 male 3-pol. to M12 sockets | | 7000-42201-0000000 | |
| Female connector M23 | 12-/19-pole | in chapter 1.6. | | | |

Distribution box for universal applications

- with screw-plug terminals for field wiring
- separation contact 5 via pluggable jumpers

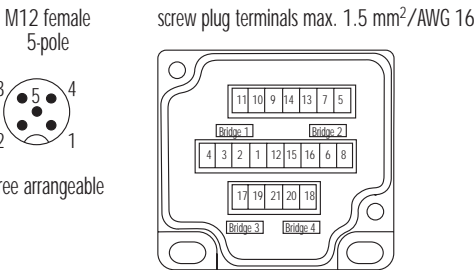
MVP12 UNIVERSAL

4-way
with pluggable connection cap
with contacts individual carried on terminals



Contact layout

General:
Contacts 1:1 carried on terminals



without LED, nominal voltage max. 24 V AC/DC

Ordering data

Distribution box 4-way

Art.-No.

276625

Accessories

Blind plug for empty sockets

plastic

Art.-No.

58627

Snap foot for DIN-rail

with fixing bolts

27905

Label plates

2 strips = 12 piece, (Murrplastik ABB 17 x 9 type M)

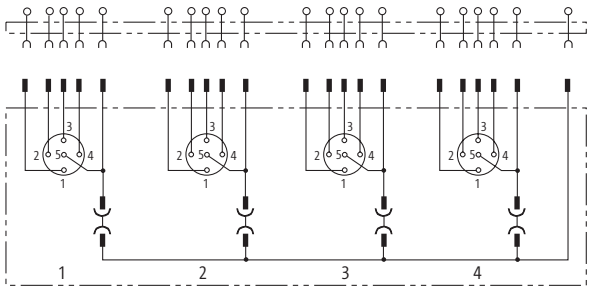
996050

Coding elements for screw-plug terminals

for 6 codings

996054

Circuit diagram



Notes

Technical data in chapter 1.3.
Pluggable connection cap with cable on request.

Distribution box for sensors and actuators

Quick connection technology

- includes quick connection units
- with pluggable connection cable or with screw-plug terminals for field-wiring
- potential separation via pluggable jumpers

MVP12

4-way, 6-way, 8-way
with pluggable connection cable



MVP12

4-way, 6-way, 8-way
with pluggable connection cap
screw-plug terminals max. 1.5 mm²



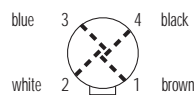
Contact layout

General:

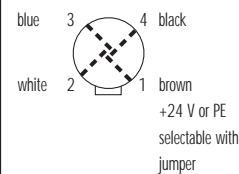
Contact 1: (+)
Contact 2: (S2)/(N/C)
Contact 3: (-)
Contact 4: (S1)/(N/O)

with LED for PNP-signals 24 V DC

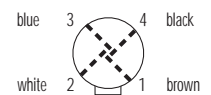
4-pole (2 signals)



4-pole (2 signals)



4-pole (2 signals)



| Distribution box 4-way | | Art.-No. | |
|------------------------------------|--------------|----------|----------|
| Connection cable | cable length | | |
| PUR/PVC | 3.0 m | | |
| 8 x 0.34/5 x 0.75 mm ² | 5.0 m | 4927072 | |
| | 10.0 m | 4927073 | |
| | 15.0 m | 4927074 | |
| Distribution box 6-way | | Art.-No. | |
| Connection cable | cable length | | |
| PUR/PVC | 3.0 m | | |
| 12 x 0.34/5 x 0.75 mm ² | 5.0 m | 4927076 | |
| | 10.0 m | 4927077 | |
| | 15.0 m | 4927078 | |
| Distribution box 8-way | | Art.-No. | |
| Connection cable | cable length | | |
| PUR/PVC | 3.0 m | | |
| 16 x 0.34/5 x 0.75 mm ² | 5.0 m | 4927082 | |
| | 10.0 m | 4927083 | |
| | 15.0 m | 4927084 | |
| Ordering data | | Art.-No. | Art.-No. |
| Distribution box 4-way | | 4927060 | 4927776 |
| Distribution box 6-way | | | 4927777 |
| Distribution box 8-way | | 4927061 | 4927778 |
| Accessories | | | Art.-No. |



| | | |
|--|---|---------|
| Quick connection units (3 parts) | included in the part numbers listed above (see drawing) | 4927640 |
| Blind plug for empty sockets | 2 pieces included in the part numbers listed above | 58468 |
| Tool for coupling nut | | 58469 |
| Snap foot for DIN-rail | with fixing bolts | 27905 |
| Coding elements for screw-plug terminals | for 6 codings | 996054 |

Notes

Other versions on request.