

# TURCK

Your Global Automation Partner

## Overview M12 Power Product Series



Products are linked with further information.

# M12 Power – Products

## Power for your applications

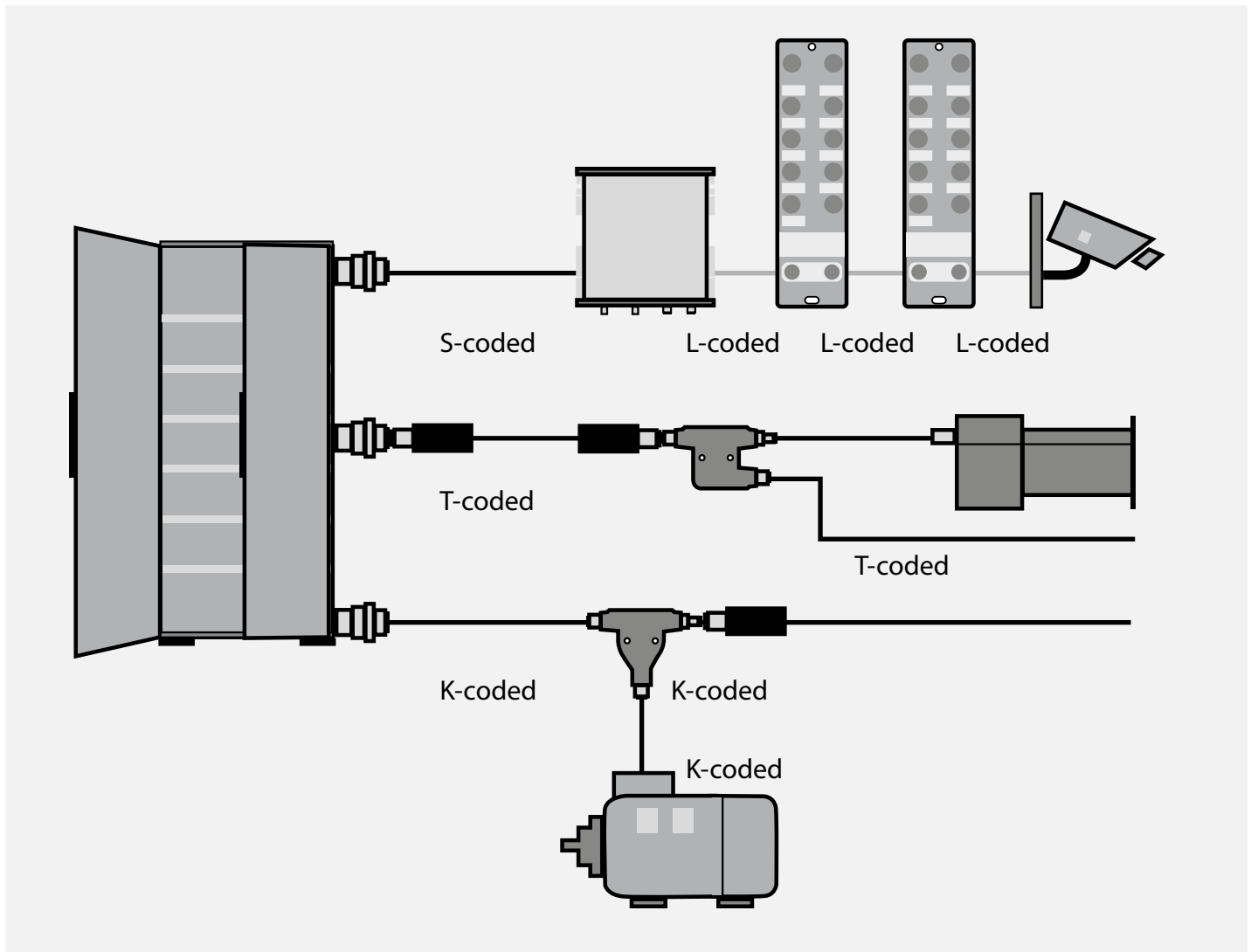
The M12 Power product series consists of cordsets, connectors, receptacles, splitters and adapter cables M12 to 7/8". The combination of connection and extension cables, field-wireable connectors, splitters and receptacles enables a structured and decentralized power supply, from the PSU via the control cabinet to any end device. The products offer maximum performance in an extremely space-saving design.

## Benefits of M12 Power

- Safe to operate: M12 Power has been developed according to DIN EN 61076-2-111 and offers outstanding power transfer performance while meeting global standards such as UL
- Reliable: extremely powerful energy transmission, even at high ambient temperatures. Extended derating ensures maximum operating times
- Extensive: wide range of codings (S, L, K, T), overmolded cables, and field-wireable connectors, receptacles, T-splitters and adapter cables - ideal solutions for almost all industries and applications



# Power Supply – Compact and Reliable



The 4- and 5-pin L-coded and 4-pin T-coded M12 Power connectors are specifically designed for use on power supplies up to 63 VDC/16 A. Low-voltage applications with moving parts in dusty, damp or hot environments are mastered with flying colors by the new connectors. Motors and drives, network devices and fieldbus Ethernet

components are optimally supplied thanks to the innovative L-coded M12 power connectors.

The 5-pin K-coded and 4-pin S-coded versions are designed for voltage supplies up to 63 VAC/16 A and are particularly suitable for supplying power to AC motors

and drives, frequency converters and motor starters as well as emergency power supplies of control systems.

| K  |    | L 5-pin |    | L 4-pin |   | S  |    | T |   |
|----|----|---------|----|---------|---|----|----|---|---|
| 4  | 1  | 4       | 1  | 4       | 1 | 3  | 1  | 3 | 1 |
| 3  | 2  | 3       | 2  | 3       | 2 | 2  | 2  | 2 | 2 |
| PE | PE | FE      | FE |         |   | PE | PE |   |   |

# M12 Power – Cordsets



- UL 2237 approved
- Cables with core cross-section of 2.5 mm<sup>2</sup> or 1.5 mm<sup>2</sup>
- Withstand high mechanical stresses
- Robust: Resistant to UV and ozone, extended temperature range
- Customized length variants possible
- Reliable EMC protection through optional shielding
- PUR cable jacket: oil resistant, halogen free, suitable for drag chain use
- Meet the requirements of the PNO (Profibus User Organization)
- Designed according to IEC 61076-2-111
- Use in the wet areas of machine tools and transfer lines possible
- Reliable use due to high protection classes IP65, IP67, IP68, IP69K

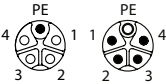
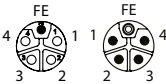
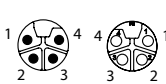
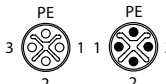
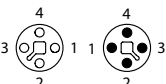
## Type code

|   |   |   |    |   |   |   |   |   |    |      |
|---|---|---|----|---|---|---|---|---|----|------|
| R | K | P | 56 | P | L | A | - | 2 | -* | /TXG |
|---|---|---|----|---|---|---|---|---|----|------|

|   |   |   |    |   |                                   |  |  |  |   |   |        |            |   |                  |              |  |
|---|---|---|----|---|-----------------------------------|--|--|--|---|---|--------|------------|---|------------------|--------------|--|
| R | K | P | 56 | P | Grip body                         |  |  |  | L | B | Coding |            | - | 2                | Cable length |  |
|   |   |   |    |   | Power designation                 |  |  |  |   |   |        | Design     |   | Cable length [m] |              |  |
|   |   |   |    |   | Terminal cross-section            |  |  |  |   |   |        | A Design A |   | 2 2 m            |              |  |
|   |   |   |    |   | 46 4 × 16 AWG 1.5 mm <sup>2</sup> |  |  |  |   |   |        | B Design B |   |                  |              |  |
|   |   |   |    |   | 44 4 × 14 AWG 2.5 mm <sup>2</sup> |  |  |  |   |   |        | Coding     |   |                  |              |  |
|   |   |   |    |   | 56 5 × 16 AWG 1.5 mm <sup>2</sup> |  |  |  |   |   |        | K K-coded  |   |                  |              |  |
|   |   |   |    |   | 54 5 × 14 AWG 2.5 mm <sup>2</sup> |  |  |  |   |   |        | L L-coded  |   |                  |              |  |
|   |   |   |    |   | Housing                           |  |  |  |   |   |        | S S-coded  |   |                  |              |  |
|   |   |   |    |   | P Plastic housing                 |  |  |  |   |   |        | T T-coded  |   |                  |              |  |
|   |   |   |    |   | S Shielded                        |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | Design                            |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | K Female                          |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | S Male                            |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | Alignment                         |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | R M12, straight                   |  |  |  |   |   |        |            |   |                  |              |  |
|   |   |   |    |   | W M12, angled                     |  |  |  |   |   |        |            |   |                  |              |  |

|    |                                 |  |  |  |     |               |  |  |  |
|----|---------------------------------|--|--|--|-----|---------------|--|--|--|
| -* | Placeholder for extension cable |  |  |  | TXG | Cable Quality |  |  |  |
|----|---------------------------------|--|--|--|-----|---------------|--|--|--|

|                                                                                                 |  |  |  |  |                                                                                          |  |  |  |  |
|-------------------------------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------|--|--|--|--|
| Placeholder for extension cable                                                                 |  |  |  |  | Cable Quality                                                                            |  |  |  |  |
| * Female connector mentioned first,<br>Male receptacle mentioned second, exam-<br>ple: RSP56PLA |  |  |  |  | TXG PUR, gray, halogen-free<br>(only for L-coded, 5-pin)<br>TXL PUR, black, halogen-free |  |  |  |  |

|                                                                                                                                                                                                  |                    | K-coded<br>12 A/16 A<br>A 630 VAC                                                 |                                                                                   | L-coded<br>16 A 63 VDC                                                             |                                                                                     | S-coded<br>12 A/16 A<br>A 630 VAC                                                   |                                                                                     | T-coded<br>12 A/16 A<br>16 A 63 VDC                                                 |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                  |                    |  |  |  |  |  |  |  |  |
| <b>Female   Open</b><br><br>    | <b>Unshielded*</b> | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 05                                                                                | <a href="#">100038810</a>                                                         | <a href="#">100038704</a>                                                          | <a href="#">100038764</a>                                                           | <a href="#">100038834</a>                                                           | <a href="#">100038834</a>                                                           | <a href="#">100003329</a>                                                           | <a href="#">100003329</a>                                                           |
|                                                                                                                                                                                                  |                    | 1                                                                                 | <a href="#">100038811</a>                                                         | <a href="#">100038705</a>                                                          | <a href="#">100038765</a>                                                           | <a href="#">100038835</a>                                                           | <a href="#">100038835</a>                                                           | <a href="#">100003330</a>                                                           | <a href="#">100003330</a>                                                           |
|                                                                                                                                                                                                  |                    | 2                                                                                 | <a href="#">100038812</a>                                                         | <a href="#">100038706</a>                                                          | <a href="#">100038766</a>                                                           | <a href="#">100038836</a>                                                           | <a href="#">100038836</a>                                                           | <a href="#">100003332</a>                                                           | <a href="#">100003332</a>                                                           |
|                                                                                                                                                                                                  | <b>Shielded*</b>   | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 0.5                                                                               | <a href="#">100023967</a>                                                         | <a href="#">100023717</a>                                                          | x                                                                                   | <a href="#">100023984</a>                                                           | <a href="#">100023984</a>                                                           | <a href="#">100024001</a>                                                           | <a href="#">100024001</a>                                                           |
|                                                                                                                                                                                                  |                    | 1                                                                                 | <a href="#">100023968</a>                                                         | <a href="#">100023934</a>                                                          | x                                                                                   | <a href="#">100023985</a>                                                           | <a href="#">100023985</a>                                                           | <a href="#">100024002</a>                                                           | <a href="#">100024002</a>                                                           |
|                                                                                                                                                                                                  |                    | 2                                                                                 | <a href="#">100023969</a>                                                         | <a href="#">100023935</a>                                                          | x                                                                                   | <a href="#">100023986</a>                                                           | <a href="#">100023986</a>                                                           | <a href="#">100024003</a>                                                           | <a href="#">100024003</a>                                                           |
|                                                                                                                                                                                                  | <b>Unshielded*</b> | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 0.5                                                                               | <a href="#">100038817</a>                                                         | <a href="#">100038697</a>                                                          | <a href="#">100038759</a>                                                           | <a href="#">100038831</a>                                                           | <a href="#">100038831</a>                                                           | <a href="#">100031201</a>                                                           | <a href="#">100031201</a>                                                           |
| <b>Male   Open</b><br><br>   |                    | 1                                                                                 | <a href="#">100038818</a>                                                         | <a href="#">100038698</a>                                                          | <a href="#">100038760</a>                                                           | <a href="#">100038832</a>                                                           | <a href="#">100038832</a>                                                           | <a href="#">100031371</a>                                                           | <a href="#">100031371</a>                                                           |
|                                                                                                                                                                                                  |                    | 2                                                                                 | <a href="#">100038819</a>                                                         | <a href="#">100038699</a>                                                          | <a href="#">100038761</a>                                                           | <a href="#">100038833</a>                                                           | <a href="#">100038833</a>                                                           | <a href="#">100031372</a>                                                           | <a href="#">100031372</a>                                                           |
|                                                                                                                                                                                                  | <b>Shielded*</b>   | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 0.5                                                                               | <a href="#">100031374</a>                                                         | <a href="#">100031459</a>                                                          | x                                                                                   | <a href="#">100031466</a>                                                           | <a href="#">100031466</a>                                                           | <a href="#">100031470</a>                                                           | <a href="#">100031470</a>                                                           |
|                                                                                                                                                                                                  |                    | 1                                                                                 | <a href="#">100031375</a>                                                         | <a href="#">100031463</a>                                                          | x                                                                                   | <a href="#">100031467</a>                                                           | <a href="#">100031467</a>                                                           | <a href="#">100031471</a>                                                           | <a href="#">100031471</a>                                                           |
|                                                                                                                                                                                                  |                    | 2                                                                                 | <a href="#">100031376</a>                                                         | <a href="#">100031464</a>                                                          | x                                                                                   | <a href="#">100031468</a>                                                           | <a href="#">100031468</a>                                                           | <a href="#">100031473</a>                                                           | <a href="#">100031473</a>                                                           |
|                                                                                                                                                                                                  | <b>Unshielded*</b> | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 0.3                                                                               | <a href="#">100038820</a>                                                         | <a href="#">100038717</a>                                                          | <a href="#">100038772</a>                                                           | <a href="#">100038841</a>                                                           | <a href="#">100038841</a>                                                           | <a href="#">100003337</a>                                                           | <a href="#">100003337</a>                                                           |
|                                                                                                                                                                                                  |                    | 0.5                                                                               | <a href="#">100038821</a>                                                         | <a href="#">100038718</a>                                                          | <a href="#">100038773</a>                                                           | <a href="#">100038842</a>                                                           | <a href="#">100038842</a>                                                           | <a href="#">100031373</a>                                                           | <a href="#">100031373</a>                                                           |
|                                                                                                                                                                                                  |                    | 1                                                                                 | <a href="#">100038823</a>                                                         | <a href="#">100038720</a>                                                          | <a href="#">100038775</a>                                                           | <a href="#">100038845</a>                                                           | <a href="#">100038845</a>                                                           | <a href="#">100003340</a>                                                           | <a href="#">100003340</a>                                                           |
| <b>Female   Male</b><br><br> |                    | 2                                                                                 | <a href="#">100038825</a>                                                         | <a href="#">100038722</a>                                                          | <a href="#">100038777</a>                                                           | <a href="#">100038847</a>                                                           | <a href="#">100038847</a>                                                           | <a href="#">100004536</a>                                                           | <a href="#">100004536</a>                                                           |
|                                                                                                                                                                                                  |                    | 5                                                                                 | <a href="#">100038828</a>                                                         | <a href="#">100038725</a>                                                          | <a href="#">100038780</a>                                                           | <a href="#">100038850</a>                                                           | <a href="#">100038850</a>                                                           | <a href="#">100004539</a>                                                           | <a href="#">100004539</a>                                                           |
|                                                                                                                                                                                                  |                    | 10                                                                                | <a href="#">100038830</a>                                                         | <a href="#">100038727</a>                                                          | <a href="#">100038782</a>                                                           | <a href="#">100038852</a>                                                           | <a href="#">100038852</a>                                                           | <a href="#">100004541</a>                                                           | <a href="#">100004541</a>                                                           |
|                                                                                                                                                                                                  | <b>Shielded*</b>   | Length                                                                            | ID                                                                                | ID                                                                                 | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  | ID                                                                                  |
|                                                                                                                                                                                                  |                    | 0.3                                                                               | <a href="#">100023974</a>                                                         | <a href="#">100023940</a>                                                          | x                                                                                   | <a href="#">100023991</a>                                                           | <a href="#">100023991</a>                                                           | <a href="#">100024008</a>                                                           | <a href="#">100024008</a>                                                           |
|                                                                                                                                                                                                  |                    | 0.5                                                                               | <a href="#">100031456</a>                                                         | <a href="#">100031465</a>                                                          | x                                                                                   | <a href="#">100031469</a>                                                           | <a href="#">100031469</a>                                                           | <a href="#">100031474</a>                                                           | <a href="#">100031474</a>                                                           |
|                                                                                                                                                                                                  |                    | 1                                                                                 | <a href="#">100023976</a>                                                         | <a href="#">100023942</a>                                                          | x                                                                                   | <a href="#">100023993</a>                                                           | <a href="#">100023993</a>                                                           | <a href="#">100024010</a>                                                           | <a href="#">100024010</a>                                                           |
|                                                                                                                                                                                                  |                    | 2                                                                                 | <a href="#">100023978</a>                                                         | <a href="#">100023944</a>                                                          | x                                                                                   | <a href="#">100023995</a>                                                           | <a href="#">100023995</a>                                                           | <a href="#">100024012</a>                                                           | <a href="#">100024012</a>                                                           |
|                                                                                                                                                                                                  |                    | 5                                                                                 | <a href="#">100023981</a>                                                         | <a href="#">100023947</a>                                                          | x                                                                                   | <a href="#">100023998</a>                                                           | <a href="#">100023998</a>                                                           | <a href="#">100024015</a>                                                           | <a href="#">100024015</a>                                                           |
|                                                                                                                                                                                                  |                    | 10                                                                                | <a href="#">100023983</a>                                                         | <a href="#">100023949</a>                                                          | x                                                                                   | <a href="#">100024000</a>                                                           | <a href="#">100024000</a>                                                           | <a href="#">100024017</a>                                                           | <a href="#">100024017</a>                                                           |

\* Other cable lengths and versions are also available, 5-pin L-coded cables also available in 2.5 mm<sup>2</sup>.



Products are linked with further information.

# M12 Power – Field-wireable Connectors



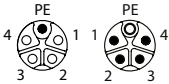
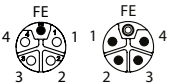
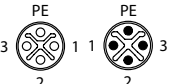
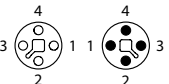
- Powerful: DC and AC applications up to 12 A and 63 V or 630 V
- Reliable and established connection technology
- Cable feedthrough from 8 to 13 mm
- Allows flexible and individual connector solutions
- Protected seal in the M12 female connector
- Reliable use ensured by protection class IP67
- Designed acc. to IEC 61076-2-111
- Available in straight and angled version
- Designed for industrial applications in the field of factory automation
- Connection cross-section 1.5 mm<sup>2</sup> with wire end sleeve and 2.5 mm<sup>2</sup> without wire end sleeve

## Type code

**FW** – **E** **R** **S** **P** **M** **0514** – **P** **L** – **S** – **0813**

| FW                       | E               | R                               | S                  | P                                                                   | M                    | Design | 0514                                                                         | Number of pins × wire cross-section | – | P                 | Power designation |
|--------------------------|-----------------|---------------------------------|--------------------|---------------------------------------------------------------------|----------------------|--------|------------------------------------------------------------------------------|-------------------------------------|---|-------------------|-------------------|
| Field-wireable connector | Mounting thread | Alignment                       | Design             | Housing                                                             | Coupling nut         |        | Number of pins × wire cross-section                                          |                                     |   | Power designation |                   |
|                          | E M12           | R M12 straight<br>W M12, angled | K Female<br>S Male | P Plastic housing<br>M Metal housing<br>S Metal housing, shieldable | M Metal<br>P plastic |        | 0414 04 × 14 AWG 2.5 mm <sup>2</sup><br>0514 05 × 14 AWG 2.5 mm <sup>2</sup> |                                     |   |                   |                   |

| L | Coding                                           | – | S | Connectivity                                             | – | 0813 | Cable feedthrough                                                                               |
|---|--------------------------------------------------|---|---|----------------------------------------------------------|---|------|-------------------------------------------------------------------------------------------------|
|   | Coding                                           |   |   | Connectivity                                             |   |      | Cable feedthrough                                                                               |
|   | K K-coded<br>L L-coded<br>S S-coded<br>T T-coded |   |   | S Screw terminals<br>I Cutting clamps (IDC)<br>P Push-In |   |      | 0810 8...10 mm cable diameter<br>0813 8...13 mm cable diameter<br>0613 6...13 mm cable diameter |

|        | K-coded<br>12 A 630 VAC                                                                                          | L-coded<br>12 A 63 VDC                                                                                           | S-coded<br>12 A 630 VAC                                                                                            | T-coded<br>12 A 63 VDC                                                                                             |
|--------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
|        |                                 |                                 |                                  |                                 |
| Female | ID                                                                                                               | ID                                                                                                               | ID                                                                                                                 | ID                                                                                                                 |
|        | <br><a href="#">100008137</a>   | <br><a href="#">100008139</a>   | <br><a href="#">100026332</a>   | <br><a href="#">100026334</a>   |
|        | <br><a href="#">100036616</a>   | <br><a href="#">100036618</a>   | <br><a href="#">100036620</a>   | <br><a href="#">100036622</a>   |
|        | <br><a href="#">100045545</a>  | <br><a href="#">100036741</a>  | <br><a href="#">100045552</a>  | <br><a href="#">100045554</a>  |
|        |                                                                                                                  | <br><a href="#">100045549</a> |                                                                                                                    |                                                                                                                    |
|        |                                                                                                                  | <br><a href="#">100045547</a> |                                                                                                                    |                                                                                                                    |
| Male   | ID                                                                                                               | ID                                                                                                               | ID                                                                                                                 | ID                                                                                                                 |
|        | <br><a href="#">100008138</a> | <br><a href="#">100008140</a> | <br><a href="#">100026333</a> | <br><a href="#">100026335</a> |
|        | <br><a href="#">100008138</a> | <br><a href="#">100036619</a> | <br><a href="#">100036621</a> | <br><a href="#">100036623</a> |
|        | <br><a href="#">100045546</a> | <br><a href="#">100036742</a> | <br><a href="#">100045553</a> | <br><a href="#">100045555</a> |
|        |                                                                                                                  | <br><a href="#">100045551</a> |                                                                                                                    |                                                                                                                    |
|        |                                                                                                                  | <br><a href="#">100045548</a> |                                                                                                                    |                                                                                                                    |



Products are linked with further information.

# M12 Power – Receptacles



- Powerful: DC and AC applications up to 12 A or 16 A and 63 V or 630 V
- Anti-twist protection with SW 13.5 mm for secure fixation
- Core cross-sections of 1.5 mm<sup>2</sup> (S-, T-coded) and 2.5 mm<sup>2</sup> (K-, L-coded) available
- 16A for front and rear wall mounting
- Designed acc. to IEC 61076-2-111
- Fastening thread M16 × 1.5
- Reliable use thanks to IP68 protection class

## Type code

**F K FD 54 P L - \* / M16**

| F | K | FD | 54 | Design                                                                                                                             | P | L | Coding                                                                                                                    | * | Cable length | /                                                                         |
|---|---|----|----|------------------------------------------------------------------------------------------------------------------------------------|---|---|---------------------------------------------------------------------------------------------------------------------------|---|--------------|---------------------------------------------------------------------------|
|   |   |    |    | <b>Number of pins × wire cross-section</b><br><b>46</b> 4 × 16 AWG 1.5 mm <sup>2</sup><br><b>54</b> 5 × 14 AWG 2.5 mm <sup>2</sup> |   |   | <b>Coding</b><br><b>K</b> Power, K-coded<br><b>L</b> Power, L-coded<br><b>S</b> Power, S-coded<br><b>T</b> Power, T-coded |   |              | <b>Cable length [m]</b><br><b>0.5</b> 0.5 m<br><b>P*</b> Print connection |
|   |   |    |    | <b>Mounting</b><br><b>Blank</b> Front-panel mounting<br><b>FD</b> Back-panel mounting                                              |   |   | <b>Power designation</b>                                                                                                  |   |              |                                                                           |
|   |   |    |    | <b>Design</b><br><b>K</b> Female<br><b>S</b> Male                                                                                  |   |   | <b>M16</b> Mounting thread                                                                                                |   |              |                                                                           |
|   |   |    |    | <b>Receptacle</b>                                                                                                                  |   |   | <b>Mounting thread</b><br><b>16</b> M16 × 1.5<br><b>20*</b> M20 × 1.5                                                     |   |              |                                                                           |

\* Realizable

|                                |        | K-coded<br>12 A 630 VAC   | L-coded<br>16 A 63 VDC    | S-coded<br>12 A 630 VAC  | T-coded<br>12 A 63 VDC   |
|--------------------------------|--------|---------------------------|---------------------------|--------------------------|--------------------------|
|                                |        |                           |                           |                          |                          |
| Front-panel mounting<br>Female | Length | ID                        | ID                        | ID                       | ID                       |
|                                | 0.5    | <a href="#">100003940</a> | <a href="#">100003949</a> | <a href="#">U2-28509</a> | <a href="#">U2-28491</a> |
|                                | 1      | <a href="#">100003941</a> | <a href="#">100003950</a> | <a href="#">U2-28510</a> | <a href="#">U2-28492</a> |
|                                | 2      | <a href="#">100003942</a> | <a href="#">100003951</a> | <a href="#">U2-29265</a> | <a href="#">U2-29258</a> |
| Front-panel mounting<br>Male   | Length | ID                        | ID                        | ID                       | ID                       |
|                                | 0.5    | <a href="#">100003943</a> | <a href="#">100003946</a> | <a href="#">U2-28500</a> | <a href="#">U2-28482</a> |
|                                | 1      | <a href="#">100003944</a> | <a href="#">100003947</a> | <a href="#">U2-28501</a> | <a href="#">U2-28483</a> |
|                                | 2      | <a href="#">100003945</a> | <a href="#">100003948</a> | <a href="#">U2-29262</a> | <a href="#">U2-29254</a> |
| Back-panel mounting<br>Female  | Length | ID                        | ID                        | ID                       | ID                       |
|                                | 0.5    | <a href="#">100028358</a> | <a href="#">100028352</a> | <a href="#">U2-28512</a> | <a href="#">U2-28494</a> |
|                                | 1      | <a href="#">100028359</a> | <a href="#">100028353</a> | <a href="#">U2-28513</a> | <a href="#">U2-28495</a> |
|                                | 2      | <a href="#">100028360</a> | <a href="#">100028354</a> | <a href="#">U2-29266</a> | <a href="#">U2-29259</a> |
| Back-panel mounting<br>Male    | Length | ID                        | ID                        | ID                       | ID                       |
|                                | 0.5    | <a href="#">100028361</a> | <a href="#">100028355</a> | <a href="#">U2-28503</a> | <a href="#">U2-28485</a> |
|                                | 1      | <a href="#">100028362</a> | <a href="#">100028356</a> | <a href="#">U2-28504</a> | <a href="#">U2-28486</a> |
|                                | 2      | <a href="#">100028363</a> | <a href="#">100028357</a> | <a href="#">U2-29263</a> | <a href="#">U2-29255</a> |



Products are linked with further information.

# M12 Power – Splitters



- Powerful: DC and AC applications up to 12 A and 63 V or 630 V
- Various designs to suit the use in confined spaces
- UL 2237 approved
- Secure flexible through mounting hole
- Enables serial cabling structure at the field level
- Designed acc. to IEC 61076-2-111
- Reliable use thanks to high protection classes (IP65, IP67, IP68)

## Type code

**VT2** – **M12** **L** – **M5** – **2F5**

|            |               |   |            |                          |          |               |   |
|------------|---------------|---|------------|--------------------------|----------|---------------|---|
| <b>VT2</b> | <b>Design</b> | – | <b>M12</b> | <b>Connection thread</b> | <b>L</b> | <b>Coding</b> | – |
|------------|---------------|---|------------|--------------------------|----------|---------------|---|

### T-splitters

- VT2 T-splitter
- VH2 h-splitter
- VH3 H-splitter

### Connection thread

M12 M12 × 1

### Coding

- K K-coded
- L L-coded
- S S-coded
- T T-coded

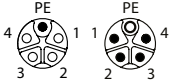
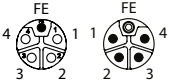
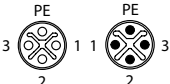
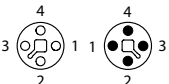
|           |              |   |            |                       |
|-----------|--------------|---|------------|-----------------------|
| <b>M5</b> | <b>Trunk</b> | – | <b>2F5</b> | <b>Trunk and drop</b> |
|-----------|--------------|---|------------|-----------------------|

### Trunk

- M4 Male, 4-pin
- M5 Male, 5-pin

### Trunk and drop

- 2F4 Female trunk, female drop, 4-pin
- 2F5 Female trunk, female drop, 5-pin
- 3F4 Female trunk, 2 × female drop, 4-pin
- 3F5 Female trunk, 2 × female drop, 5-pin

|                                                                                    | K-coded<br>12 A 630 VAC                                                           | L-coded<br>16 A 63 VDC                                                            | S-coded<br>12 A 630 VAC                                                             | T-coded<br>12 A 63 VDC                                                              |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                    |  |  |  |  |
| H-splitter                                                                         | ID                                                                                | ID                                                                                | ID                                                                                  | ID                                                                                  |
|    | <a href="#">100028590</a>                                                         | <a href="#">100028591</a>                                                         | <a href="#">100028592</a>                                                           | <a href="#">100028593</a>                                                           |
| h-splitter                                                                         | ID                                                                                | ID                                                                                | ID                                                                                  | ID                                                                                  |
|   | <a href="#">100028585</a>                                                         | <a href="#">100028587</a>                                                         | <a href="#">100028588</a>                                                           | <a href="#">100028589</a>                                                           |
| T-splitter                                                                         | ID                                                                                | ID                                                                                | ID                                                                                  | ID                                                                                  |
|  | <a href="#">100029331</a>                                                         | <a href="#">100028579</a>                                                         | <a href="#">100028580</a>                                                           | <a href="#">100028581</a>                                                           |

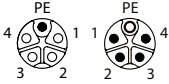
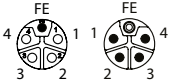
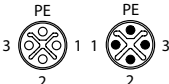
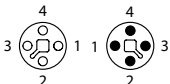


Products are linked with further information.

# Wall ducts/Adapters



- Powerful: DC and AC applications up to 12 A and 63 V or 630 V
- Designed according to IEC 61076-2-111
- Robust and space-saving
- Enables maximum flexibility for installation in automation technology

|                     | K-coded<br>12 A 630 VAC                                                                                        | L-coded<br>12 A 63 VDC                                                                                         | S-coded<br>12 A 630 VAC                                                                                          | T-coded<br>12 A 63 VDC                                                                                           |
|---------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                     |                               |                               |                                |                               |
| Wall ducts/adapters | ID                                                                                                             | ID                                                                                                             | ID                                                                                                               | ID                                                                                                               |
|                     | <br><a href="#">100048190</a> | <br><a href="#">100048192</a> | <br><a href="#">100048189</a> | <br><a href="#">100048191</a> |
|                     |                                                                                                                |                                                                                                                | <br><a href="#">100048188</a> |                                                                                                                  |

# M12 Power Bulk Cable



- Suitable yard goods as accessories for flexible assemblies in the field
- Cross-sections 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup>
- UL Style 21223
- PUR cable sheath

## Type code

**CABLE** **5** **6** **PL** **100** **TXG**

|              |                  |            |                              |                |                               |
|--------------|------------------|------------|------------------------------|----------------|-------------------------------|
| <b>CABLE</b> | <b>Design</b>    | <b>5</b>   | <b>Number of wires</b>       | <b>6</b>       | <b>Terminal cross-section</b> |
|              | Design           |            | Number of wires              |                | Terminal cross section        |
|              |                  | 5          | 5 wires                      | 6              | 16 AWG 1.5 mm <sup>2</sup>    |
|              |                  | 4          | 4 wires                      | 4              | 14 AWG 2.5 mm <sup>2</sup>    |
| <b>PL</b>    | <b>Coding</b>    | <b>100</b> | <b>Cable lenght in meter</b> | <b>TXG</b>     | <b>Cable quality</b>          |
|              | Coding           |            | Cable lenght in meter        |                | Cable quality                 |
|              | PL L-coded       |            |                              | TXG PUR, grey  |                               |
|              | PLT L- & T-coded |            |                              | TXL PUR, black |                               |
|              | PK K-coded       |            |                              |                |                               |
|              | PS S-coded       |            |                              |                |                               |

|                     | K-coded   | L-coded   | L/T-coded | S-coded   |
|---------------------|-----------|-----------|-----------|-----------|
| Cross section       | 5-wire    | 5-wire    | 4-wire    | 4-wire    |
| 1.5 mm <sup>2</sup> | 100049064 | 100049059 | 100049062 | 100049067 |
| 2.5 mm <sup>2</sup> | 100049065 | 100049061 | 100049063 | x         |



Products are linked with further information.

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