

**KWN-M12/-50 90****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



The use of insulated connectors guarantees users consistent electrical connection quality in the long term.

- Wide range of insulated and non-insulated cable lugs and connectors
- Tubular cable lugs according to current market standards (Euroseries)
- Compression cable lugs acc. to DIN 46235
- Sheet metal cable lugs acc. to DIN 46234
- Insulated ring cable lugs to DIN 46237
- Insulated pin cable lugs to DIN 46231

**General ordering data**

|            |                                                  |
|------------|--------------------------------------------------|
| Version    | cable lug, terminal end, 50 mm², 50 mm² - 50 mm² |
| Order No.  | <a href="#">1495990000</a>                       |
| Type       | KWN-M12/-50 90                                   |
| GTIN (EAN) | 4050118305654                                    |
| Qty.       | 100 items                                        |

## KWN-M12/-50 90

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## Technical data

## Approvals

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

## Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 32.44 g |
|------------|---------|

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Technical data

|         |                 |
|---------|-----------------|
| Version | Euro series 90° |
|---------|-----------------|

## Connectors

|                                |                    |                                |                    |
|--------------------------------|--------------------|--------------------------------|--------------------|
| Conductor cross-section, max.  | 50 mm <sup>2</sup> | Conductor cross-section, min.  | 50 mm <sup>2</sup> |
| Conductor cross-section        | 50 mm <sup>2</sup> | Insulation                     | not available      |
| Hole                           | M 12               | Identification colour          | None               |
| Inside diameter of shaft (d1)  | 10 mm              | Outside diameter of shaft (d3) | 14 mm              |
| Shaft length (a)               | 18 mm              | Connection length (l)          | 22.5 mm            |
| Inside diameter of flange (d2) | 13 mm              | Flange width (b)               | 23 mm              |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001051    | ETIM 9.0    | EC001051    |
| ETIM 10.0   | EC001051    | ECLASS 14.0 | 27-40-02-05 |
| ECLASS 15.0 | 27-40-02-05 |             |             |

## Drawings



## KWN-M12/-50 90

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## Accessories

## Crimping tool for tubular (EN 13600) and compression cable lugs (DIN 46235)



Crimping tools for tubular and compression cable lugs with swivel crimping star.

- Integrated crimping star for different cross-sections
- Hexagon crimping tools for compression cable lugs
- WM-From crimping tools for tubular cable lugs
- wide processing range up to 70 or 120 mm<sup>2</sup>

## General ordering data

|            |                            |                                                          |
|------------|----------------------------|----------------------------------------------------------|
| Type       | PZ RK 6/70                 | Version                                                  |
| Order No.  | <a href="#">1500440000</a> | 6mm <sup>2</sup> , 70mm <sup>2</sup> , Hexagonal crimp   |
| GTIN (EAN) | 4050118309058              |                                                          |
| Qty.       | 1 ST                       |                                                          |
| Type       | PZ RK 10/120               | Version                                                  |
| Order No.  | <a href="#">1500450000</a> | 10mm <sup>2</sup> , 120mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118309065              |                                                          |
| Qty.       | 1 ST                       |                                                          |

## Tools



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 300 mm<sup>2</sup>
- 270° revolving quick-action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                                                                          |
|------------|----------------------------|------------------------------------------------------------------------------------------|
| Type       | EPG 45                     | Version                                                                                  |
| Order No.  | <a href="#">1500830000</a> | Pressing tool, 6mm <sup>2</sup> , 150mm <sup>2</sup> , Hexagonal crimp, WM crimp, Indent |
| GTIN (EAN) | 4050118309317              | crimp, Trapezoidal crimp, Oval crimping                                                  |
| Qty.       | 1 ST                       |                                                                                          |

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## Accessories

## ... for tubular cable lugs (acc. to EN 13600)



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- Reading of all cycles and error messages via USB
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## General ordering data

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | ES EPG 45 WM 25/50         | Version                      |
| Order No.  | <a href="#">1500880000</a> | 50mm <sup>2</sup> , WM crimp |
| GTIN (EAN) | 4050118309171              |                              |
| Qty.       | 1 ST                       |                              |

## ... for compression cable lugs (acc. to DIN 46235)



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
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- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                     |
|------------|----------------------------|-------------------------------------|
| Type       | ES EPG 45 HEX 25/50        | Version                             |
| Order No.  | <a href="#">1500970000</a> | 50mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118309195              |                                     |
| Qty.       | 1 ST                       |                                     |

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## Accessories

## Tools



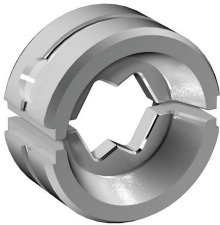
Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

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## General ordering data

|            |                            |                                                                                         |
|------------|----------------------------|-----------------------------------------------------------------------------------------|
| Type       | EPG 60                     | Version                                                                                 |
| Order No.  | <a href="#">2453810000</a> | Pressing tools, Tools, Pressing tool, 6mm <sup>2</sup> , 300mm <sup>2</sup> , Hexagonal |
| GTIN (EAN) | 4050118468434              | crimp, WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping                         |
| Qty.       | 1 ST                       |                                                                                         |

## ... for tubular cable lugs



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 300 mm<sup>2</sup>
- 270° revolving quick-action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                                    |
|------------|----------------------------|----------------------------------------------------|
| Type       | ES EPG/HPG 60 WM 50        | Version                                            |
| Order No.  | <a href="#">2469580000</a> | Crimping tool insert, 50mm <sup>2</sup> , WM crimp |
| GTIN (EAN) | 4050118483864              |                                                    |
| Qty.       | 1 ST                       |                                                    |

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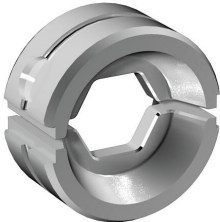
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## Accessories

## ... for compression cable lugs



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- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

## General ordering data

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | ES EPG/HPG 60 HEX 50       | Version                                                   |
| Order No.  | <a href="#">2505200000</a> | Crimping tool insert, 50mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118519600              |                                                           |
| Qty.       | 1 ST                       |                                                           |

## Tools



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 400 mm<sup>2</sup>
- 360° revolving quick action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- Additional features for APG series:
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB

## General ordering data

|            |                            |                                                                                  |
|------------|----------------------------|----------------------------------------------------------------------------------|
| Type       | HPG 60                     | Version                                                                          |
| Order No.  | <a href="#">2453820000</a> | 6mm <sup>2</sup> , 300mm <sup>2</sup> , Hexagonal crimp, WM crimp, Indent crimp, |
| GTIN (EAN) | 4050118468427              | Trapezoidal crimp, Oval crimping                                                 |
| Qty.       | 1 ST                       |                                                                                  |

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## Accessories

### ... for tubular cable lugs (acc. to EN 13600)



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- extremely fast processing thanks to hydraulic support
- large processing range up to 400 mm<sup>2</sup>
- 360° revolving quick action crimping head
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- Additional features for APG series:
- electronic control and monitoring of the crimping process
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- Reading of all cycles and error messages via USB

#### General ordering data

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | ES APG 80 WM 50            | Version                      |
| Order No.  | <a href="#">1502500000</a> | 50mm <sup>2</sup> , WM crimp |
| GTIN (EAN) | 4050118310658              |                              |
| Qty.       | 1 ST                       |                              |

### ... for compression cable lugs (acc. to DIN 46235)



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 400 mm<sup>2</sup>
- 360° revolving quick action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- Additional features for APG series:
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB

#### General ordering data

|            |                            |                                     |
|------------|----------------------------|-------------------------------------|
| Type       | ES APG 80 HEX 50           | Version                             |
| Order No.  | <a href="#">1502670000</a> | 50mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118310559              |                                     |
| Qty.       | 1 ST                       |                                     |