FAST MOVING TECHNOLOGY



Tools and accessories

Renewable Energy | Solar Photovoltaics



ΕN

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STÄUBLI

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Stäubli



ASSEMBLY TOOLS

Crimping pliers for MC4 and MC4-Evo 2



Crimping pliers for MC4 and MC4-Evo 2 (PV-CZM...)



Locator (PV-LOC-MC4...)



Locator (PV-LOC-MC4-EVO 2...)

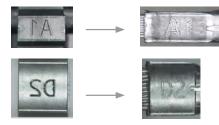


Crimping die (PV-ES-CZM...)

- One crimping pliers for crimping on both MC4 and MC4-Evo 2.
- Designed to be used for all open B-crimps (not applicable for closed crimp contacts).
- The crimping tool can process the following conductor cross-sections with one crimping die:
 - Size 1: 2.5 $\text{mm}^2\text{, 4}\ \text{mm}^2$ and 6 mm^2
 - Size 2: 4 mm², 6 mm² and 10 mm²
- TÜV and UL certified product.
- Registered design feature providing traceability information about crimping tool on each individual crimp.

How to verify that each crimp is made using the suitable tool and die?

The registered design of the crimp traceability concept is providing information about the conductor size, crimp height and crimp width. For further information about this feature please refer to assembly instruction MA704.



Crimping die

Finished crimp indent

Usage matrix

| | | | | Crimpin | g pliers | Crimpin | g dies | Locators | | | |
|--------------------------------------|----------------------------|---------------------------------------|--|--------------------------------------|--------------------------------------|----------------------------------|---|--|---|--|---|
| Connector type | Conductor cross section | Open crimp contacts B-Crimp | Closed crimp contacts* 0-Crimp | PV-CZM-60100 32.6020-60100 | PV-CZM-61100 32.6020-61100 | PV-ES-CZM-60100 32.6021-60100 | PV-ES-CZM-61100 32.6021-61100 | PV-LOC-MC4 32.6081 4 mm ² ; 6 mm ² ; 10 mm ² | PV-LOC-MC4 32.6082 2.5 mm ² ; 4 mm ² ; 6 mm ² | PV-LOC-MC4-EVO 2 32.6083 4 mm ² ; 6 mm ² ; 10 mm ² | PV-LOC-MC4-EVO 2 32.6084 2.5 mm ² ; 4 mm ² ; 6 mm ² |
| PV-KBT4/2,5UR | 2.5 mm ² | 0 | ⊗ | | Ø | | Ø | | 0 | | |
| PV-KST4/2,5UR | 14 AWG | 0 | ⊗ | | Ø | | Ø | | 0 | | |
| | 4 mm ² | 0 | 8 | Ø | Ø | Ø | Ø | Ø | 0 | | |
| PV-KBT4/6UR | 12 AWG | 0 | ⊗ | 0 | Ø | Ø | Ø | Ø | Ø | | |
| PV-KST4/6UR | 6 mm ² | 0 | 8 | 0 | 0 | 0 | 0 | Ø | 0 | | |
| | 10 AWG | 0 | 8 | 0 | 0 | Ø | Ø | Ø | 0 | | |
| PV-KBT4/10 PV-KST4/10 | 10 mm ² | 0 | 8 | 0 | | Ø | | Ø | | | |
| PV-KST4-EVO 2/2.5UR | 2.5 mm ² | 0 | 8 | | Ø | | Ø | | | | 0 |
| PV-KBT4-EVO 2/2.5UR | 14 AWG | 0 | 8 | | Ø | | Ø | | | | 0 |
| | 4 mm ² | 0 | 8 | 0 | Ø | Ø | Ø | | | 0 | 0 |
| PV-KST4-EVO 2/6UR | 12 AWG | 0 | 8 | 0 | Ø | Ø | Ø | | | 0 | 0 |
| PV-KBT4-EVO 2/6UR | 6 mm ² | 0 | ⊗ | 0 | Ø | Ø | Ø | | | 0 | 0 |
| | 10 AWG | Ø | ⊗ | 0 | 0 | 0 | Ø | | | Ø | 0 |
| | 4 mm ² | 0 | 8 | 0 | 0 | 0 | Ø | | | 0 | 0 |
| PV-KST4-EVO 2A/6 PV-KBT4-EVO 2A/6 | 12 AWG | 0 | 8 | 0 | Ø | Ø | Ø | | | Ø | 0 |
| | 6 mm ² | 0 | 8 | 0 | Ø | Ø | Ø | | | 0 | 0 |
| | 10 AWG | 0 | 8 | 0 | Ø | Ø | Ø | | | 0 | 0 |
| PV-KST4-EVO 2A/10 | 10 mm ² | Ø | 8 | 0 | | Ø | | | | Ø | |
| PV-KBT4-EVO 2A/10 | 8 AWG | Ø | 8 | 0 | | Ø | | | | Ø | |

* The crimping pliers for MC4 and MC4-Evo 2 along with the available crimping dies listed in the above table do not provide any feasible crimping for closed crimps. Closed crimps will become unuseable.

Ordering information

| Order-No. | Туре | Designation | Crimping range | |
|----------------|--------------------------|---|----------------|--|
| | | | mm² | |
| 32.6020-61100 | PV-CZM-61100 | Size 1: Crimping pliers incl. locator for MC4 and MC4-Evo 2 | 2.5; 4; 6 | |
| Consisting of: | | | | |
| 32.6082 | PV-LOC-MC4 2.5/4/6 | Locator for MC4 | | |
| 32.6084 | PV-LOC-MC4-EVO 2 2.5/4/6 | Locator for MC4-Evo 2 | 2.5; 4; 6 | |
| 32.6021-61100 | PV-ES-CZM-61100 | Crimping die | | |
| | | | | |
| 32.6020-60100 | PV-CZM-60100 | Size 2: Crimping pliers incl. locator for MC4 and MC4-Evo 2 | 4; 6; 10 | |
| Consisting of: | | | | |
| 32.6081 | PV-LOC-MC4 4/6/10 | Locator for MC4 | | |
| 32.6083 | PV-LOC-MC4-EVO 2 4/6/10 | Locator for MC4-Evo 2 | 4; 6; 10 | |
| 32.6021-60100 | PV-ES-CZM-60100 | Crimping die | | |

Further information



Assembly instructions

For assembly instructions for "Crimping pliers for MC4 and MC4-Evo 2" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA704

Crimping pliers for closed crimp contacts MC4



Crimping pliers for closed crimp contacts MC4 (PV-CZM...)

- These tools are to be used for the assembly of UL- and TÜV-approved products.
- These are suited for the processing of high numbers of pieces and can be adjusted to the product to be processed with the help of changeable locators and crimp inserts.

Usage matrix

| | | | | Crimping pli | ers | Crimping di | es | Locators | |
|--|----------------------------|---------------------------------------|---|--------------------------------------|--------------------------------------|---|---|----------------------------|----------------------------|
| Connector type | Conductor cross section | Open crimp contacts B-Crimp | Closed crimp contacts 0-Crimp | PV-CZM-22100 32.6020-22100 | PV-CZM-23100 32.6020-23100 | PV-ES-CZM-22100 32.6021-22100 | PV-ES-CZM-23100 32.6021-23100 | PV-LOC-B 32.6055 | PV-LOC-C 32.6074 |
| | 4 mm ² | Ø | 8 | Ø | | Ø | | Ø | |
| PV-KBT4/6UR | 12 AWG | Ø | 8 | Ø | | Ø | | Ø | |
| PV-KST4/6UR | 6 mm ² | 0 | 8 | 0 | | Ø | | Ø | |
| | 10 AWG | 0 | 8 | Ø | | Ø | | Ø | |
| PV-KBT4/5UR | 14 AWG | 8 | Ø | | Ø | | Ø | | Ø |
| PV-KST4/5UR PV-KBT4/5PAU | 12 AWG | ⊗ | Ø | | Ø | | 0 | | 0 |
| PV-KST4/5PAU | 10 AWG | ⊗ | 0 | | Ø | | 0 | | 0 |
| PV-KBT4/8II-UR PV-KST4/8II-UR PV-KBT4/8PAU PV-KST4/8PAU | 8 AWG | ⊗ | 0 | Ø | ۲ | 0 | ٢ | ٢ | ø |

Ordering information

| Order No. | Туре | Designation | | Crim | p range | Crimptype | |
|---------------|--------------|--------------------------------|---------------------|------|---------------|-------------------|---------------------|
| | | | Connector system | | AWG | Open crimp AWG | Closed crimp AWG |
| 32.6020-22100 | PV-CZM-22100 | Crimping pliers | MC4 | 4; 6 | 12; 10; 8 | 12; 10 | 8 |
| 32.6020-23100 | PV-CZM-23100 | incl. locator and crimping die | MC4 | | 14; 12; 10; 8 | | 14; 12; 10; 8 |

Individual parts

| 32.6021-22100 | PV-ES-CZM-22100 | Crimping die | MC4 | 4;6 | 12; 10; 8 | 12; 10 | 8 |
|---------------|-----------------|--|-----|------|---------------|--------|---------------|
| 32.6021-23100 | PV-ES-CZM-23100 | Crimping die | MC4 | | 14; 12; 10; 8 | | 14; 12; 10; 8 |
| 32.6055 | PV-LOC-B | Locator (for use with PV-ES-CZM-22100) | MC4 | 4; 6 | 12; 10; 8 | 12; 10 | 8 |
| 32.6074 | PV-LOC-D | Locator (for use with PV-ES-CZM-23100) | MC4 | | 14; 12; 10; 8 | | 14; 12; 10; 8 |

Note

Please contact us for information on pneumatic crimp station options.

Further information



Assembly instructions

For assembly instructions for "Crimping pliers for closed crimp contacts MC4 (PV-CZM...)" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA251

Crimping pliers for closed crimp contacts MC4



Crimping pliers for closed crimp contacts MC4 (PV-CZLX/6AWG...)

- Manual crimping pliers for MC4 cable couplers with 6 AWG closed crimp terminals (PV-KBT4/13II-UR and PV-KST/13II-UR).
- Locator included for correct positioning of crimp.

Ordering information

| Order No. | Туре | Designation | Crimp ran | | nge | Crimptype | imptype | |
|------------------|-----------------|-----------------------------------|---------------------|-----|-----|-------------------|---------------------|--|
| | | | Connector system | mm² | AWG | Open crimp AWG | Closed crimp AWG | |
| 32.0349 | PV-CZLX/6AWG | Crimping pliers, incl. locator | MC4 | | 6 | | 6 | |
| Individual parts | | | | | | | | |
| 32.0350 | PV-CZL/6AWG-LOC | Locator | MC4 | | 6 | | 6 | |

Note

Please contact us for information on pneumatic crimp station options.

Further information



Assembly instructions

For assembly instructions for "Crimping pliers for closed crimp contacts MC4 (PV-CZLX/6AWG)" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA710

Crimping pliers for semi-professional use MC4



- Suitable for the assembly of products approved by TÜV in small amounts.
- Not UL certified.

Crimping pliers for semi-professional use MC4 (PV-CZM-BS)

Ordering information

| Order No. | Туре | Designation | Pliers cross sections | | Connector system |
|-----------|-----------|-----------------|-----------------------|-----|------------------|
| | | | mm² | AWG | |
| 32.6025 | PV-CZM-BS | Crimping pliers | 2.5; 4; 6 | | MC4 |

Further information



Assembly instructions

For assembly instructions for "Crimping pliers for semi-professional use MC4" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA289

Stripping pliers



Stripping pliers (PV-AZM...)

- Specially adapted for the Flex-Sol-Evo PV cable.
- For stripping small leads quantities.
- With length stop.

Ordering information

| Order No. | Туре | Designation | Pliers cross sections | |
|-------------|--------------|--|-----------------------|-----------|
| | | | mm² | AWG |
| 32.6027-156 | PV-AZM-156 | Stripping pliers incl. built-in stripping blades | 1.5; 2.5; 4; 6 | |
| 32.6027-410 | PV-AZM-410 | Stripping pliers incl. built-in stripping blades | 4; 6; 10 | |
| 32.6027-128 | PV-AZM-128 | Stripping pliers incl. built-in stripping blades | | 12; 10; 8 |
| 32.6027-106 | PV-AZM-106 | Stripping pliers incl. built-in stripping blades | | 10; 8; 6 |
| 32.6057-156 | PV-M-AZM-156 | Stripping blades set | 1.5; 2.5; 4; 6 | |
| 32.6057-410 | PV-M-AZM-410 | Stripping blades set | 4; 6; 10 | |
| 32.6057-128 | PV-M-AZM-128 | Stripping blades set | | 12; 10; 8 |
| 32.6057-106 | PV-M-AZM-106 | Stripping blades set | | 10; 8; 6 |

Further information



Assembly instructions

For assembly instructions for "Stripping pliers" please consult: www.staubli.com/re-downloads.html → English → Assembly info → MA267

Open-end spanner and unlocking tool



Open-end spanner set for MC4 (PV-MS)



Open-end spanner set for MC4 and MC4-Evo 2 (PV-MS-PLS)



Unlocking tool for MC4-Evo 2 (PV-MS-MC4-EVO 2)



Open-end spanner set for MC4-Evo ready (PV-MS-MC4-EVO READY)

- For pre-tightening and loosening the cable gland.
- For MC4 and MC4-Evo 2, also for releasing the locking of the plug-in connection.

Ordering information

| Order No. | Туре | Designation |
|-----------|---------------------|--|
| 32.6024 | PV-MS | Open-end spanner set for MC4 (2 pcs.), plastic |
| 32.6058 | PV-MS-PLS | Open-end spanner set for MC4 and MC4-Evo 2 (2 pcs.), metal |
| 32.6066 | PV-MS-MC4-EVO 2 | Unlocking tool for MC4-Evo 2, plastic |
| 32.6070 | PV-MS-MC4-EVO READY | Open-end spanner set for MC4-Evo ready (2 pcs.), plastic |

Further information



Assembly instructions

For assembly instructions for "Open-end spanner set for MC4 and MC4-Evo 2" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA270

Cable cutter



Cable cutter (PV-WZ-KS)

- Cable cutter with a special cutting blade geometry for easy, clean cuts with an opening spring.
- Ergonomic one-hand operation.
- No crushing or deformation of wire.
- To cut single stranded, multiple stranded, and finely stranded copper and aluminum conductors.
- Not to be used on steel wire, wire rope, and hard-drawn copper cable.

Ordering information

| Order No. | Туре | Designation | Max. wire diameter |
|-----------|----------|--------------|--------------------|
| 32.6080 | PV-WZ-KS | Cable cutter | 15 mm |

Further information



Assembly instructions

For assembly instructions for "Cable cutter" please consult: www.staubli.com/re-downloads.html → English → Assembly info → MA705

Torque tool set



Torque tool set (PV-WZ-TORQUE-SET)

- Adjustable torque tool set with special design: easy-in, easy-out, universal hold and one-hand use.
- For manual assembly of the original MC4 and MC4-Evo 2.
- Comes with a multi-component special pistol grip which provides a safe and comfortable fit in the hand and high-power transfer.

Technical data

| Technical data | |
|----------------|------------------------------|
| Range | 3.0 N m – 6.0 N m |
| Accuracy | Accuracy: ±6 % (EN ISO 6789) |
| Scale | Numerical torque value scale |

Ordering information

| Order No. | Туре | Designation |
|-----------|------------------|--|
| 32.0065 | PV-WZ-TORQUE-SET | Torque tool set: consisting of torque tool (incl. extra tool integrated in handle to set torque), adapter and socket wrench insert |

Tool cases and tool belt Tool case for MC4 and MC4-Evo 2 $\,$



- Robust plastic case with tools for the assembly of MC4 and MC4-Evo 2.
- Configured for metric cable sizes (mm²).
- Configured for open crimp contacts (4 mm², 6 mm², 10 mm²).

Tool case for MC4 and MC4-Evo 2

Ordering information

| Pos. | Order No. | Туре | Type Description | |
|-------|------------------|--|------------------------------------|--------------------------|
| | 32.6126 | PV-Installer Tool Case SET | Tool case for MC4 and MC4-Evo 2 | 444 mm × 350 mm × 118 mm |
| Consi | sting of: | | | |
| 1 | 32.0716 | PV-BVK4 | Sealing caps socket, 10 × | |
| 2 | 32.0717 | PV-SVK4 | Sealing caps plug, 10 × | |
| 3 | 32.6028 | PV-PST | Test plug MC4 | |
| 4 | 32.6073 | PV-EVO-PST | Test plug MC4-Evo 2 | |
| 5 | 32.6066 | PV-MS-MC4-EVO 2 | Unlocking tool | |
| 6 | 32.6080 PV-WZ-KS | | Cable cutter | |
| 7 | 32.0065 | PV-WZ-TORQUE-SET | Torque tool | |
| 8 | 32.6020-60100 | PV-CZM-60100 | Crimping pliers for MC4, MC4-Evo 2 | |
| 8.1 | 32.6081 | 32.6081 PV-LOC-MC4 Locator for MC4 | | |
| 8.2 | 32.6083 | .6083 PV-LOC-MC4-Evo 2 Locator for MC4-Evo 2 | | |
| 9 | 32.6027-410 | 32.6027-410 PV-AZM-410 Stripping pliers | | |
| 10 | 32.6058 | PV-MS-PLS | Assembly and unlocking tool | |

Tool case MC4 for North America



Tool case MC4

Ordering information

Dimension Pos. Order No. Туре Designation $(length \times width \times height)$ includes basic content and crimping plier PV-CZM-22100 444 mm × 350 mm × 32.6128-22100 PV-WZ/AWG-SET-22100 (for open contacts 12/10 AWG, closed contacts 8 AWG) 118 mm includes basic content and crimping plier PV-CZM-23100 32.6128-23100 PV-WZ/AWG-SET-23100 (for closed contacts 14/12/10/8 AWG) 32.6128-00000 PV-WZ/AWG-SET includes basic content (crimping plier not included)

Basic content

| 1 | 32.6058 | PV-MS-PLS | Assembly and unlocking tool | |
|---|-------------|------------------|---|--|
| 2 | 32.0065 | PV-WZ-Torque-Set | Torque tool | |
| 3 | 32.6027-128 | PV-AZM-128 | Stripping pliers (cable sizes 12/10/8 AWG) | |
| 4 | 32.6080 | PV-WZ-KS | Cable cutter | |
| 5 | 32.6028 | PV-PST | Test plug | |
| 6 | 32.0716 | PV-BVK4 | Sealing cap for female cable couplers (10 pcs.) | |
| 7 | 32.0717 | PV-SVK4 | Sealing cap for male cable couplers (10 pcs.) | |

Optional content (can be ordered separately)

| 8 | 32.6021-22100 | PV-ES-CZM-22100 | Crimping die (for open contacts 12/10 AWG, closed contacts 8 AWG) | |
|---|---------------|-----------------|---|--|
| 8 | 32.6021-23100 | PV-ES-CZM-23100 | Crimping die (for closed contacts 14/12/10/8 AWG) | |
| 9 | 32.6055 | PV-LOC-B | Locator (for use with crimping die PV-ES-CZM-22100) | |
| 9 | 32.6074 | PV-LOC-D | Locator (for use with crimping die PV-ES-CZM-23100) | |

- Robust plastic case with tools for assembly of MC4 connectors.
- Configured for American Wire Gauge (AWG) cable sizes (14 AWG to 8 AWG).
- Available fully populated with basic content and two options for the crimping pliers.
- Also available only with basic content (no crimping plier).

Tool belt for MC4 and MC4-Evo 2



Tool bag



Material bag



Tool belt for MC4 and MC4-Evo 2

- The right tool is always at hand in the tool belt for MC4 and MC4-Evo 2.
- The tool belt for MC4 and MC4-Evo 2 consists of:
 - a tool bag with leather holders, integrated elastic compartments, and D ring to keep all tools needed for on-site assembly.
 - a material bag with zipper for safe storage of connectors and other small parts. The material bag can be kept open thanks to a snap fastener.
 - a belt with quick fastener.
- Long-lasting thanks to heavy-duty, weatherproof material.

- Easy to put the tool belt on and take it off thanks to an adjustable snap fastener.
- Stable seating, the tool belt will not twist.

Note:

The tool belt for MC4 und MC4-Evo 2 is delivered without the tools and materials shown.

155 cm × 5.5 cm

Ordering information

| Order No. | Туре | Designation | Dimensions (length x width x height) |
|----------------|-------------------------|---------------------------------|---|
| 32.0387 | Installer Tool Belt SET | Tool belt for MC4 and MC4-Evo 2 | |
| Consisting of: | | | |
| | | Tool bag | $26 \text{ cm} \times 14.5 \text{ cm} \times 27 \text{ cm}$ |
| | | Material bag | 17.5 cm × 10.5 cm × 18.5 cm |

Belt with quick fastener

Adapter test lead MC4



Adapter test lead with female MC4 (PV-AMLB4/150)



Adapter test lead with male MC4 (PV-AMLS4/150)

 The adapter test lead MC4 is suitable for safe current and voltage measuring on PV modules and systems.

Technical data

Technical data

| Connector system | MC4 |
|---------------------|-------------------|
| Rated voltage | 1000 V |
| Rated current | 19 A |
| Category | CAT III |
| Degree of pollution | 2 |
| Lead cross section | 1 mm ² |
| Lead length | 150 mm |
| Lead insulation | PVC |

Ordering information

| Order No. | Туре | Socket | Plug | Connector system | Colour |
|---------------|--------------|--------|------|------------------|--------|
| 32.1198-15021 | PV-AMLB4/150 | x | | MC4 | 21 |
| 32.1198-15023 | PV-AMLB4/150 | х | | MC4 | 23 |
| 32.1199-15021 | PV-AMLS4/150 | | х | MC4 | 21 |
| 32.1199-15022 | PV-AMLS4/150 | | x | MC4 | 22 |

Note

Unmated connectors must be protected from any contamination using Stäubli sealing caps. For ordering information concerning Stäubli sealing caps, please consult "Sealing caps" on page 21.

Test socket and plug MC4



Test socket MC4 (PV-KBT4II-P AU)



Test plug MC4 (PV-KST4II-P AU)

- Special construction with gold plated contacts for test and measurement to achieve higher mating cycles.
- Without locking system.

Technical data

| Technical data | | | | |
|--|---------------------------------|--|--|--|
| Connector system | MC4 | | | |
| Rated voltage | DC 1000 V (IEC) | | | |
| Rated current | 30 A | | | |
| Degree of protection, unmated | IP2X | | | |
| Category | CAT III | | | |
| Degree of pollution | 2 | | | |
| Max. contact resistance of the connector | 0.25 mΩ | | | |
| Contact material | Copper, gold plated | | | |
| Lead cross section | 2.5 mm²; 4 mm² (12 AWG; 14 AWG) | | | |
| Insulation material | PC/PA | | | |

Ordering information

| Order No. | Туре | Socket | Plug | Connector system |
|-----------|----------------|--------|------|------------------|
| 32.0044 | PV-KBT4II-P AU | x | | MC4 |
| 32.0045 | PV-KST4II-P AU | | x | MC4 |

Further information



Assembly instructions

For assembly instructions for "Test socket and plug MC4" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA260

Test plug MC4



Test plug MC4 (PV-PST)

• This test plug is used to control the correct location of the MC4 contact in the insulation.

Ordering information

| Order No. | Туре |
|-----------|--------|
| 32.6028 | PV-PST |

Test plug MC4-Evo 2



Test plug MC4-Evo 2 (PV-EVO-PST)

• This test plug is used to control the correct location of the MC4-Evo 2 contact in the insulation.

Ordering information

| Order No. | Туре |
|-----------|------------|
| 32.6073 | PV-EVO-PST |

Sealing caps MC4 and MC4-Evo 2



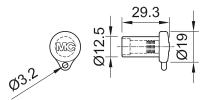
Sealing cap for female cable couplers (PV-BVK4)



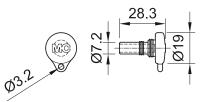
Sealing cap for male cable couplers (PV-SVK4)

 Sealing caps for protective purpose of unplugged PV connectors.

Dimensional drawings



Sealing cap for female cable couplers (PV-BVK4)



Sealing cap for male cable couplers (PV-SVK4)

Ordering information

| Order No. | Туре | Suitable for socket side | Suitable for plug side | Material | Connector system |
|-----------|---------|-----------------------------|------------------------|----------|------------------|
| 32.0716 | PV-BVK4 | x | | TPE | MC4/MC4-Evo 2 |
| 32.0717 | PV-SVK4 | | x | TPE | MC4/MC4-Evo 2 |

Further information



Assembly instructions

For assembly instructions for "Sealing caps MC4 and MC4-Evo 2" please consult: www.staubli.com/re-downloads.html \rightarrow English \rightarrow Assembly info \rightarrow MA258

Safety lock clip



Safety lock clip (PV-SSH4)

- The pluggable safety lock clip secures the PV plug connection. The plug connection can only be unlocked with the open-end spanner set (PV-MS or PV-MS-PLS).
- The safety lock clip is suitable for MC4 connector systems.

Ordering information

| Order No. | Туре | Designation | Connector system |
|-----------|---------|------------------|------------------|
| 32.5280 | PV-SSH4 | Safety lock clip | MC4 |

Further information



Assembly instructions

For assembly instructions for "Safety lock clip" please consult: www.staubli.com/re-downloads.html → English → Assembly info → MA252

Socket wrench insert



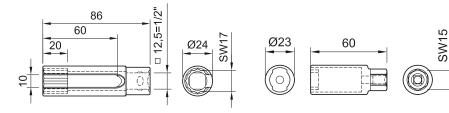
Socket wrench insert to tighten (PV-WZ-AD/GWD)



Socket wrench insert to secure (PV-SSE-AD4)

 Stäubli recommends these socket wrench inserts for a simple and safe assembly of the panel receptacles.

Dimensional drawings



Socket wrench insert to tighten (PV-WZ-AD/GWD)

Socket wrench insert to secure (PV-SSE-AD4)

Ordering information

| Order No. | Туре | Designation |
|-----------|--------------|---------------------------------|
| 32.6006 | PV-WZ-AD/GWD | Socket wrench insert to tighten |
| 32.6026 | PV-SSE-AD4 | Socket wrench insert to secure |



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