

ASSEMBLY TOOLS

Crimping pliers for MC4 and MC4-Evo 2



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



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



Locator (PV-LOC-MC4...)

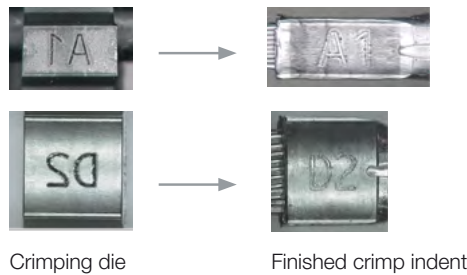


Crimping die (PV-ES-CZM...)

- One crimping pliers for crimping on both MC4 and MC4-Evo 2.
- Designed to be used for all open B-crims (not applicable for closed crimp contacts).
- The crimping tool can process the following conductor cross-sections with one crimping die:
 - Size 1: 2.5 mm², 4 mm² and 6 mm²
 - 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.



Usage matrix

| Connector type | Conductor cross section | Open crimp contacts B-Crimp | Closed crimp contacts* O-Crimp | Crimping pliers | | Crimping dies | | Locators | | | |
|--|-------------------------|---------------------------------------|--|-------------------------------|-------------------------------|----------------------------------|----------------------------------|---|--|---|--|
| | | | | 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-KBT4/2,5...-UR PV-KST4/2,5...-UR | 2.5 mm ² | ✓ | ✗ | | ✓ | | ✓ | | ✓ | | |
| | 14 AWG | ✓ | ✗ | | ✓ | | ✓ | | ✓ | | |
| PV-KBT4/6...-UR PV-KST4/6...-UR | 4 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | 12 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | 6 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | 10 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| PV-KBT4/10... PV-KST4/10... | 10 mm ² | ✓ | ✗ | ✓ | | ✓ | | ✓ | | | |
| PV-KST4-EVO 2/2.5...-UR PV-KBT4-EVO 2/2.5...-UR | 2.5 mm ² | ✓ | ✗ | | ✓ | | ✓ | | | | ✓ |
| | 14 AWG | ✓ | ✗ | | ✓ | | ✓ | | | | ✓ |
| PV-KST4-EVO 2/6...-UR PV-KBT4-EVO 2/6...-UR | 4 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 12 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 6 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 10 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| PV-KST4-EVO 2A/6... PV-KBT4-EVO 2A/6... | 4 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 12 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 6 mm ² | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | 10 AWG | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| PV-KST4-EVO 2A/10... PV-KBT4-EVO 2A/10... | 10 mm ² | ✓ | ✗ | ✓ | | ✓ | | | | ✓ | |
| | 8 AWG | ✓ | ✗ | ✓ | | ✓ | | | | ✓ | |

* 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. | Type | Designation | Crimping range |
|----------------------|--------------------------|--|-----------------|
| | | | mm ² |
| 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 | 2.5; 4; 6 |
| 32.6084 | PV-LOC-MC4-EVO 2 2.5/4/6 | Locator for MC4-Evo 2 | |
| 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 | 4; 6; 10 |
| 32.6083 | PV-LOC-MC4-EVO 2 4/6/10 | Locator for MC4-Evo 2 | |
| 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 → English → Assembly info → **MA704**