

MTP® PRO FIELD TOOL KIT

TOOL KIT FOR FIELD CHANGING MTP PRO CONNECTORS

Application

The MTP® Pro Field Tool Kit enables the re-configuration of polarity and gender of MTP Pro connectors in the field.

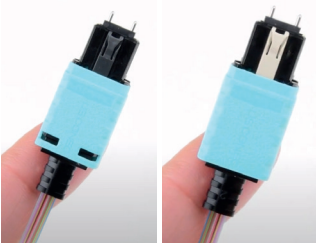
The MTP® Pro Field Tool Kit contains two components the Field Tool itself and a pair of Green Grippers. The Field Tool is used to conduct polarity changes and also holds the MTP® Pro Connector during pin reconfiguration.

PRODUCT OVERVIEW



The MTP® Pro Field Tool features two ports one for changing the polarity of the connector, the other to change the gender of the pins. Both procedures can be carried out without the removal of the connector's housing.

Polarity Reconfiguration



The MTP® Pro connector houses both a Black key and a Beige Key. The Black key designates that the connector is set to the factory setting and aligns with the polarity marks.



Polarity reconfiguration can be carried out quickly and easily at any time using the MTP® Pro Field Tool. The tool has two ports; position the tool so that the word 'Polarity' is facing towards you.

Position the connector in front of the Polarity port with the Black or Beige Key facing upwards.



Insert the connector until it bottoms out and an audible click is heard.

Remove the connector and the opposite key will now be visible and the polarity will have been changed.

Pin Gender Reconfiguration

The gender of the pins on the MTP® Pro connector can also be reconfigured. This requires the use of the MTP® Pro Field tool, A Pin Exchanger and the Green Grippers.

Unpinned To Pinned



- Position the MTP® Pro Field Tool so that the word 'Pin' is facing towards you. Insert the connector into the port until it clicks in place. The position of the key is not important and can be either facing upwards or downwards.
- Turn the Field Tool round and insert a Pin Exchanger with pins fitted using the Exchanger guides into the holes either side of the connector.
- Push the Pin Exchanger into the connector until a click is heard.
- Pull out the now empty Pin Exchanger.
- Remove the connector and check that the pins are installed.

Pinned To UnPinned



- Insert the connector as detailed above, but this time use an empty Pin Exchanger without pins and press into position until the audible click is heard.
- You will now need the Green Grippers. Note the centre mark on the jaws of the grippers.
- The Green Grippers can be attached in two ways:
 - From The End - Holding the Field Tool and Grippers vertically align the centre mark of the grippers to the centre mark on the Pin Exchanger and push to engage.
 - From The Side - Holding both vertically align the Green Grippers to the side of the Pin Exchanger and slide into place until the centre marks align.
- To remove the pins squeeze the Black handles of the Field Tool to release the pins. This is the only time the handles need to be depressed.
- Whilst the handles are fully depressed squeeze the handles of the Green Grippers until the ends touch.
- Pull the grippers out to remove the Pin Exchanger with the pins attached to it.
- Finally remove the connector from the tool.

- The Pin Exchanger can be stored in the end of the Field Tool or alternatively in the optional Pin Exchanger Storage Tool.
- There are two types of Pin Exchangers:
 - **Aqua** - Indicates Multi Mode or Single Mode grade pins.
 - **Yellow** - Indicates Single Mode Elite® grade pins.

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