

ITS / STP Test Blocks & Plug

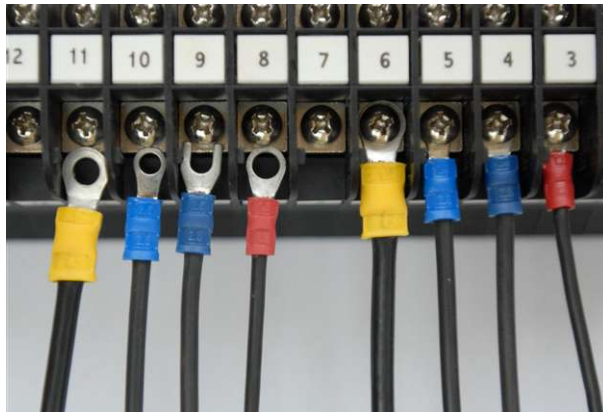
Installation

its-installation-en v.47

Wiring

Electrical connection terminals are located on the top and bottom of the back side of the ITS Test Block. The connection terminals accept ring cable lugs and spade cable lugs. Use the included special phillips cross recessed pan head screws (UNC thread). The screws are magnetic and can be mounted with power screwdrivers (fastening torque 1.2 Nm).

Do not use metric or other improper screws or warranty will be void.



Recommended wire gauge is from 1.5 mm² (AWG 16) to 4 mm² (AWG 12).

CTs should be wired to the terminals provided for this purpose (in 2- or 4-pole combinations) to ensure automatic short circuiting upon insertion of STP Test Plugs or individual test probes into the ITS Test Block. The terminals designated for the connection of the CTs can be typically identified by the

C-	-C
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 or

C-	-C-	-C-	-C
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 labeling¹.

In addition to the two rows of labeling in the front, the ITS Test Block has one row of labels each on the top, back and bottom side (when installed horizontally). All "poles" (or test block modules) are continuously numbered in the same way as it done on the

¹Custom labeling may show other symbols or use other colors.

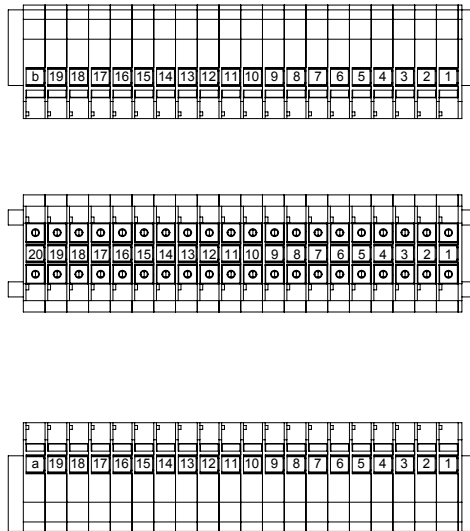
front of the test block (e.g. from 1 through 20 for a 20-pole test block). Pole number 1 (as seen from the front) is also numbered 1 when seen from the back side.

Each "pole" (or test block module) has two connection terminals that receive the same number as the pole itself. One label on each the top side and the bottom side of the test block (when installed horizontally) indicate with the letter "a" or "b" if the terminals on that side are associated with the "A-SIDE" (system side), or "B-SIDE" (device side).



ITS functionality requires that the B-SIDE (device side) of the test block must be connected with the device to be tested (e.g. protective relay), and the A-SIDE (system side) must be connected to the electrical system (e.g. CTs, PTs and breakers).

Following figure represent the top, back and bottom side labeling of a typical ITS Test Block².



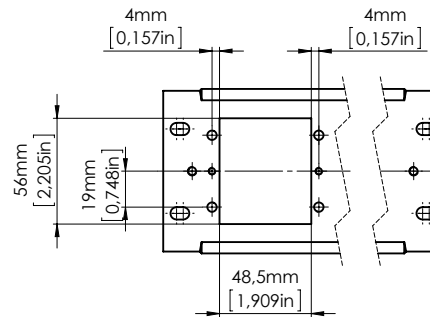
²Custom labeling may show other symbols or use other colors.

Panel Cutouts, Drilling Plans and Mounting

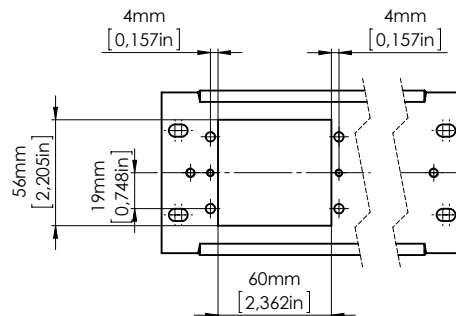
The cutout for the ITS Test Block must be done using the cutout plan for the correct size ITS, shown below. The thickness of the panel sheet must not exceed 3 millimeters (0.118 inches). The threaded holes M4 in the panel cutout diagram are only required when using ITS dust covers which are an additional option (see section Accessories).

Use the provided 4 pc. M4x10 button head screws with hexagon socket (2.5mm) to fix the ITS Test Block in the panel cutout. The test block has to be inserted from the back side and screwed from the front side.

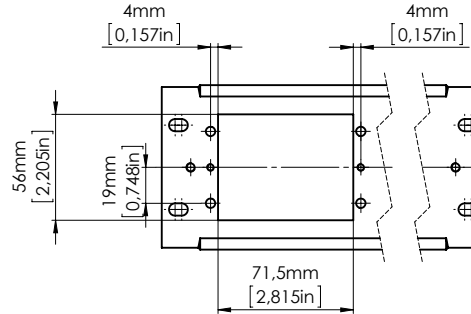
4-pole Models



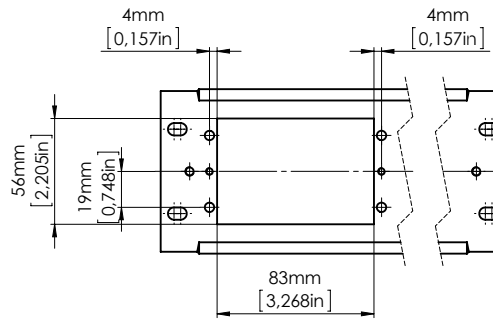
5-pole Models



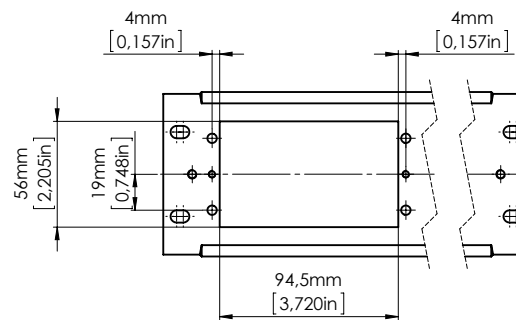
6-pole Models



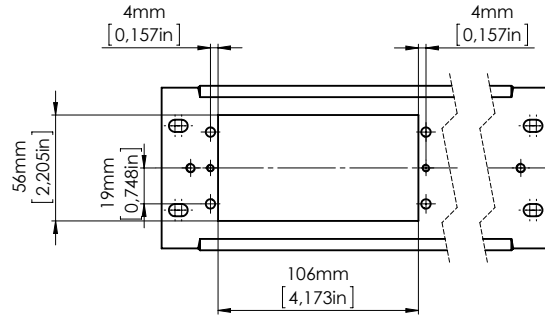
7-pole Models



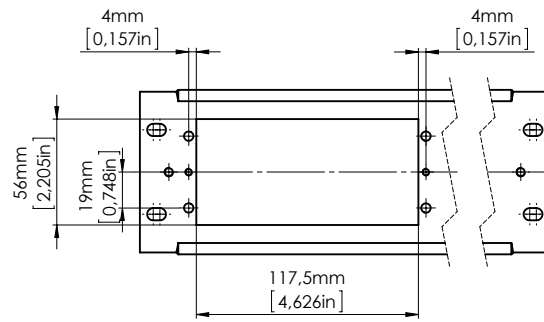
8-pole Models



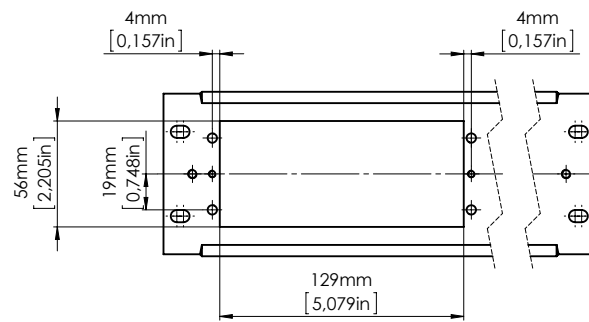
9-pole Models



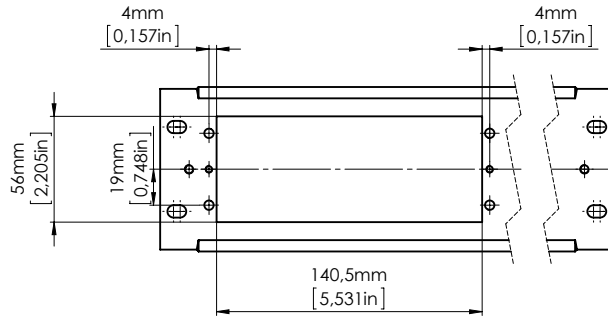
10-pole Models



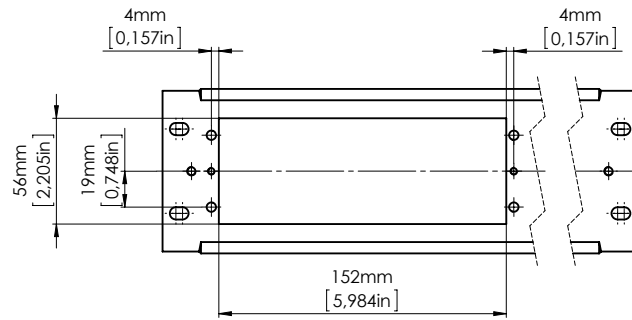
11-pole Models



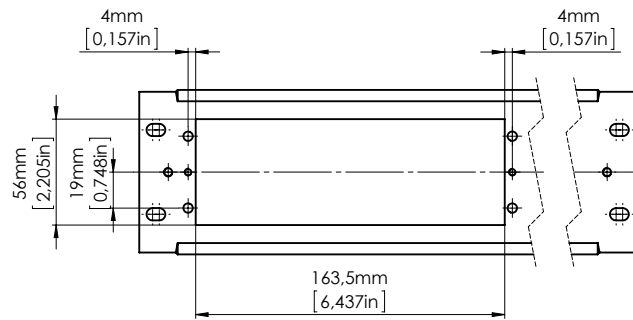
12-pole Models



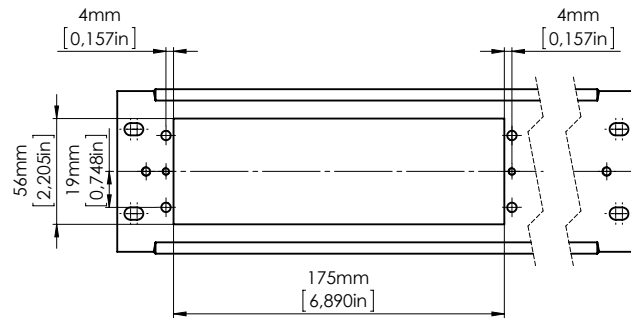
13-pole Models



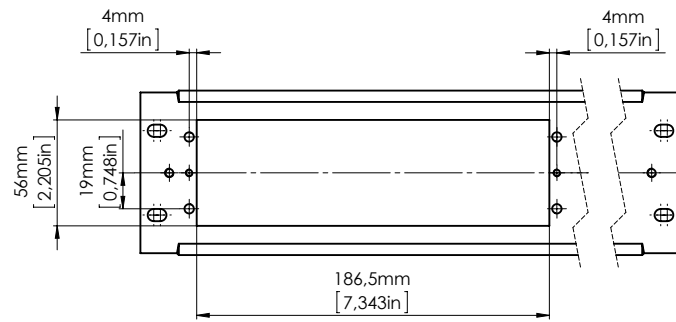
14-pole Models



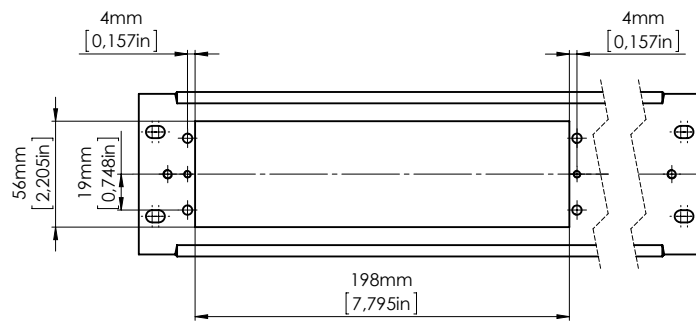
15-pole Models



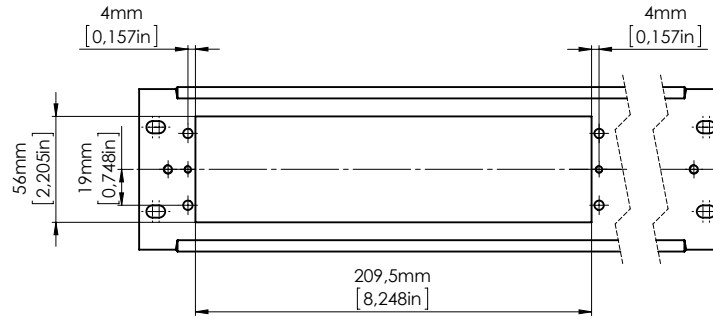
16-pole Models



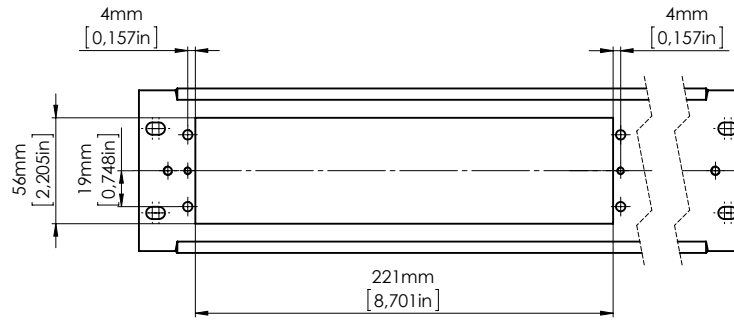
17-pole Models



18-pole Models



19-pole Models



20-pole Models

