

Side approach mechanism

SAM-H7-20-150N-020-077

Item 106220



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- Reliable lateral contacting
- Compact, robust design
- Durable, maintenance-free precision guidance
- Space-saving, simple, and precise installation
- Stroke-controlled actuation
- Contacting process takes place at the same time as the PCB contacting

Application

Side approach mechanisms (SAM) are provided for the reliable contacting of electronic components on printed circuit boards (PCBs) which require a lateral contact stroke movement.

Confirmation

Activation is stroke-controlled, and involves converting the vertical stroke movement of the test fixture (operating stroke) into a horizontal stroke movement of the stroke bar on the side approach mechanism (contact stroke).

Function

The stroke-controlled side approach mechanism can be used to ensure contact via forward pressing or backward pressing motion. It is mounted on the pressure plate. The activation tappet rests on the probe plate (KTP). Thanks to the parallel contact stroke (actuating stroke) of the test fixture, the activation tappet is pushed upwards and the stroke bar extends horizontally.

Delivery

The scope of delivery includes a seal, a set screw, a hexagon bolt, and installation accessories.

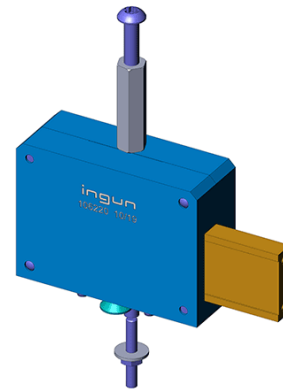
General data

Product group:	Side approach mechanism (SAM)
Series:	SAM-H
Accessory type:	Customising accessories
Contact stroke generation:	Stroke controlled
Weight:	0.17 kg [.374 lbs]
Min. temperature:	-5 °C [23 °F]
Max. temperature:	60 °C [140 °F]

Compatible with

Manual test fixtures (MA):	MA 20xx
Pneumatic test fixtures (PA):	PA xxxx
Vacuum test fixtures (VA):	VA xxxx
MA exchangeable kits (ATS MA):	ATS MAxx

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Note:

The stroke controlled side approach mechanisms are suitable for use in vacuum test fixtures.

Note:

The set screw included in delivery is mounted in the probe plate and is used for fine adjustment or synchronisation to ensure optimum contacting when using two side approach mechanisms running in parallel.

Note:

The surface of the stroke bar can be oiled sparingly if required.

Technical data

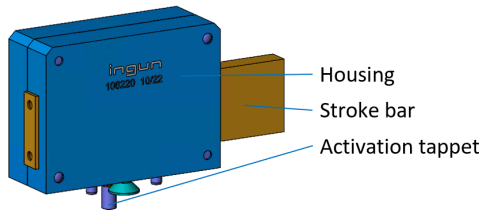
Max. contact stroke force:	150 N [539 ozf]
Max. contact stroke:	20 mm [.787 in]
Contact stroke detection:	-
Max. operating stroke:	7 mm [.275 in]
Max. lever arm length:	60 mm [2.36 in]
Max. torque:	1.5 Nm [13.2 lbf·in]
Outer dimensionS (WxDxH):	20 x 77 x 40 mm [.787 x 3.03 x 1.57 in]

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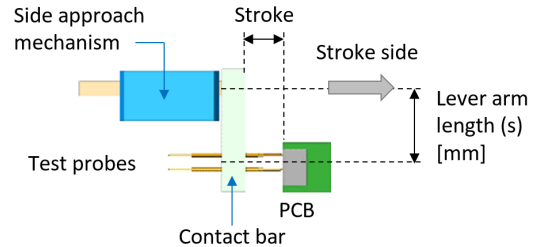
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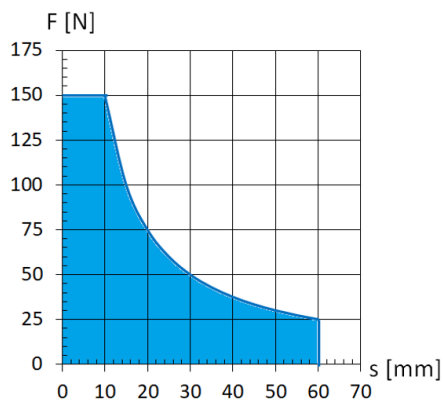
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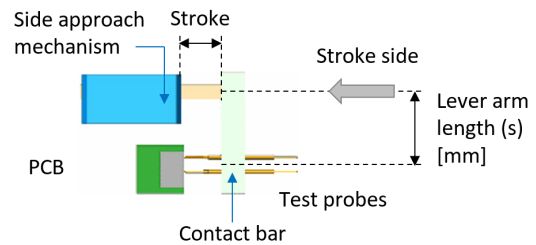
Function: Contacting pressing forwards



Permitted load



Function: Contacting pressing backwards



Accessories

Part no.	Designation	Version
54092	MBE-FA-SAM-H	Mounting block for mounting up to 4 pressure springs part no. 19994

INGUN Prüfmittelbau GmbH

Max-Stromeyer-Straße 162
78467, Constance, Germany
Phone +49 7531 8105-0
Customer hotline +49 7531 8105-888
Fax +49 7531 8105-65
info@ingun.com

