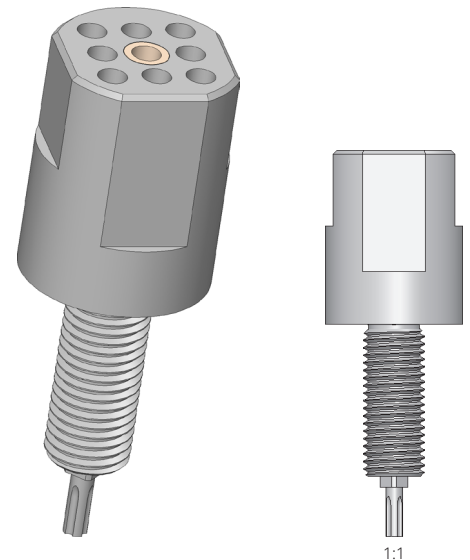




GO TO PRODUCT

- Reliable contact of battery cells
- Modular design enables scalability of current transmission using well-established INGUN products
- Voltage monitoring via a central sense contact probe possible
- Temperature measurement of contact surface using TKS-667 is possible
- Easy installation in plate or busbar via the threaded connection



Application

BCM-Series is specially developed for the flexible scalability of high-current contacting. The modular design makes it possible to adapt the product characteristics to the application, and therefore always provide the right product for a high variable range of DUTs, as is the case with the contacting of battery cells.

Construction

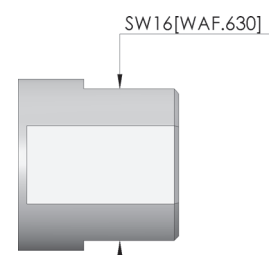
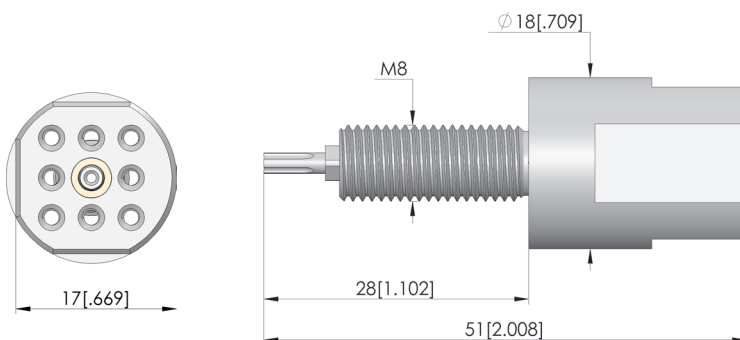
HCM-Products each consist of a base body and several high-current test probes which create a parallel circuit. The functionality can be additionally extended using a centrally positioned sense contact probe or temperature measurement probe with integrated sense tap.

Installation

BCM Products can be installed in a corresponding hole on a probe plate using lock nuts or installed directly in a busbar via a corresponding threaded hole. If a BCM Product is installed in a non-conductive plate, for example, the current connection can be made at the threaded bolt via a cable lug. The optional sense contact probe, to be connected to the soldering recess provided, and the temperature sensor are dissipated centrally.

Note:

The base bodies are designed for either five or eight current-transmitting test probes from the BCP-120, BCP-113 and BCP-667 series with various tip styles, which can be freely configured in terms of both quantity and layout. By combining the modular high-current multi-head solution with BCP-667 probes, which were specifically developed for contacting battery cells with oxidised contact surfaces, it is possible to greatly reduce the power losses that occur during cell production.



Battery contacting multi-head

BCM-667-0000 C01-00-00

Item BCM-667-0003



GO TO PRODUCT

ingun[®]

Partner for Future Technology

General data

Screw-in torque max.:	100 cNm [8.85 lbf·in]
Product group:	Standard HSS (screw-in)
Sub-product group:	Standard HSS (screw-in)
Series:	
Application rec.:	
Grid:	19 mm [748 mil]
Magnetic:	Yes
Installation type:	Screw-in
Quick-exchange system:	No
Type of test probe connection:	Thread connection
Adjustable installation height:	No
Non-rotating:	Yes
Screw-in torque:	100 cNm [8.85 lbf·in]
Min. temperature:	-100 °C [-148 °F]
Max. temperature:	200 °C [392 °F]
RoHS-compliant:	Yes

Tip style data

Tip style surface:	A gold
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Electrical data

Typical resistance (Ri), connection on plunger:	1 mOhm
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Mechanical data

Total length:	51 mm [2 in]
Barrel diameter:	18 mm [.708 in]

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