



## 4.3-10

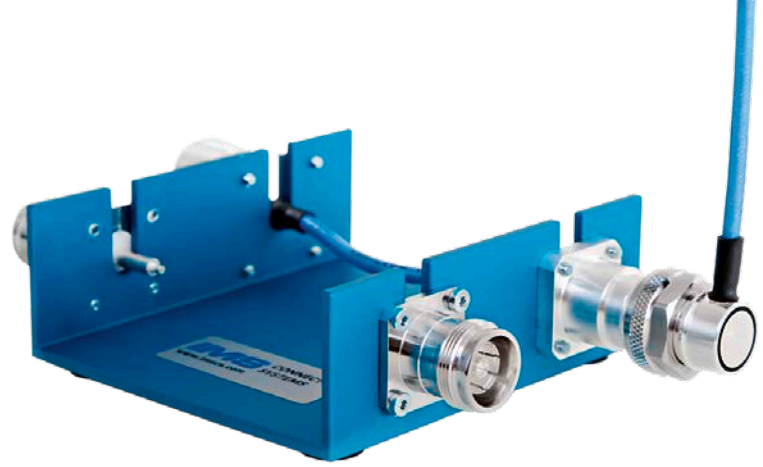
Superior Performance at  
miniaturized Installation space

- Excellent PIM performance
- Superior electrical performance
- Compact connector size
- Screw, hand-screw and quick lock Coupling
- Easy installation



# 4.3-10

## Small and reliable



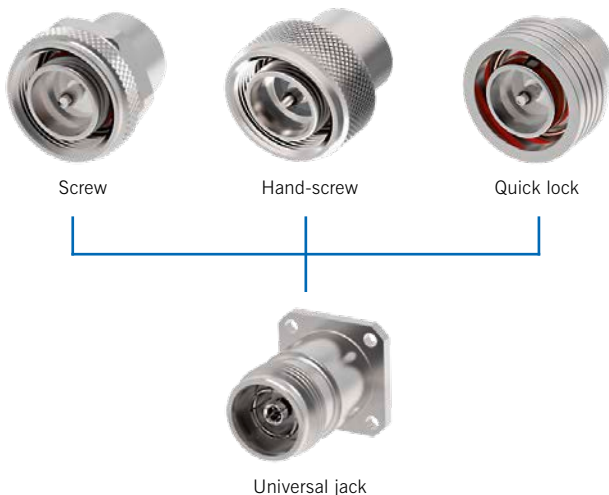
With our new compact and easy to install connector series, we ensure that the increasing requirements within mobile communications are met. Despite the smaller size in comparison with the 7/16 connectors, excellent return loss and passive intermodulation values (PIM) are achieved. Available in three versions: screw, hand-screw and quick lock coupling.

### Product Features

- “One Interface – 3 coupling variations”  
Screw / Hand-screw / Quick lock /
- Outstanding RF return loss performance
- Excellent passive intermodulation behavior
- Watertight seal IP68 (compliant with IEC 60529)
- Space saving Interconnection versus 7-16 Interconnection
- Lead-free compliant with RoHS (Directive 2002/95/EC)
- Recyclable components compliant with WEEE (Directive 2002/96/EC)
- Complies with IEC-169-54 norm

### Characteristics

- Minimum flange size:  $\geq 25.4$  mm
- Return loss:  $\geq 36$  dB @ DC to 4 GHz  
 $\geq 32$  dB @ 4 GHz to 6 GHz
- Power handling: 500 W @ 2.2 GHz @ 90°
- RF-leakage:  $\geq 120$  dB @ DC to 6 GHz (screw type)
- Passive intermodulation:  $\geq 160$  dB @ 2x46 dBm @ 0.4 to 4 GHz  
 $\geq 166$  dB @ 2x43 dBm @ 0.4 to 4 GHz
- Degree of protection: IP 68 (@ 25 m, 1 hour) (water tightness)
- Mating cycles:  $\geq 100$
- Coupling mechanism: Screw-on, hand-screw, quick lock
- Coupling torque:  $> 5$  Nm (Screw-on-type)



### Applications

- Designed for mobile network equipment in macro cell, small cell and in-building wireless systems
- Radio Remote Units
- Active and passive antennas

[www.imscs.com](http://www.imscs.com)

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