

# BALLUFF

## MQ12 – One for All!

... the unique quick-connect system for M12 plug-in sensors

*fits all* **M12**



**The first quick-connect system that requires no changes on the sensor side!**

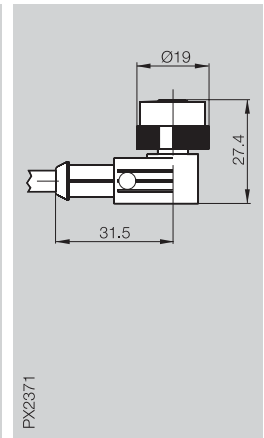
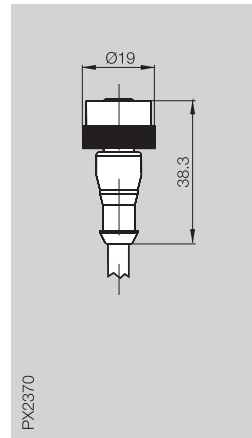
You can find a whole series of quick-connect systems for M12 connectors, but all of them have the same problem: to really make use of the advantages of the system, the mating piece needs to be modified accordingly. Different systems mean different mating pieces, since of course the systems are not compatible with each other. This doesn't make things easy for the customer and his applications.

The new MQ12 eliminates this barrier to acceptance. MQ12 can be used for any common M12 sensor, with no if's, and's or but's! Simply plug it in and secure with a quarter-turn - that's it! This makes it directly usable in existing applications and as a 1-to-1 replacement for today's standard cables. The MQ12 shows its strengths especially in applications such as storage, assembly and conveying, where large quantities of sensors are used. By shortening the connection time by up to 80% the time required for the overall installation is reduced dramatically.

**Technical benefits**

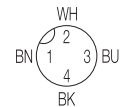
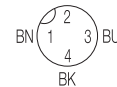
- High shock and vibration immunity
- Enclosure rating IP 67
- Available for various cable materials (PUR, PVC)

Connector Type	<b>BKS-S212</b> straight female	<b>BKS-S213</b> angle female
Application	S 4 sensors	S 4 sensors



no LED, NO	BKS-S212-1-__	BKS-S213-1-__
no LED, complementary	BKS-S212-3-__	BKS-S213-3-__
Manufacturer	Murrelektronik	Murrelektronik
Supply voltage $U_B$	max. 250 V AC/DC	max. 250 V AC/DC
Cable	molded-on PUR	molded-on PUR
No. of wires x cross-section	3x0,34 mm <sup>2</sup> /4x0,25 mm <sup>2</sup>	3x0,34 mm <sup>2</sup> /4x0,25 mm <sup>2</sup>
Degree of protection per IEC 60529	IP 65/IP 67	IP 67/IP 67
Ambient temperature range $T_a$	-20...+80 °C	-20...+80 °C

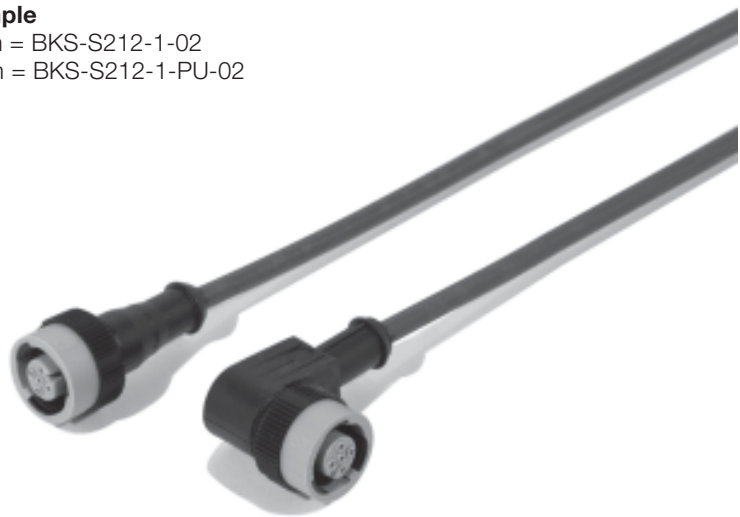
View of female side



Please append cable material and length to ordering code!  
PVC, standard length 2 m or 5 m = 02 or 05  
PUR, standard length 2 m or 5 m = PU-02 or PU-05

**Ordering example**

PVC, length 2 m = BKS-S212-1-02  
PUR, length 2 m = BKS-S212-1-PU-02



For more connectors see main catalog "The Sensor Line" on CD-ROM, DVD-ROM or online!

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

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