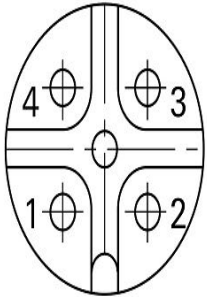
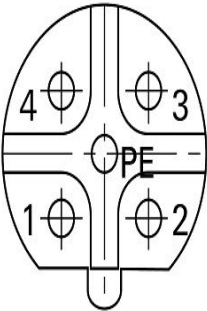
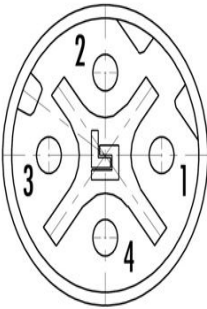


H.B.W Offers a wide variety of M12 threaded connectors that are ideal for many different applications. While these connectors are most commonly used in factory automation applications, their robust, trustworthy design and relative low cost makes them ideal for other harsh environment and even commercial applications. H.B.W' S M12 connector range offers an ingress protection rating up to IP68, shielding for EMI protection and a variety of termination options. Termination styles include PCB & solder cup contacts, flying leads and molded over molded cord sets in standard lengths of 2 and 5-meters.

In addition to the connector options mentioned above, H.B.W' s M12 connectors are available with (3) different mechanical keying options. These options are described as a-coded, b-coded (or reverse b-coded) or d-coded. The coding of an M12 connector is achieved by molding keyways or keys into a connector' s insert/contact carrier. Only a male and female connector having the same keying can be mated together. See the table below for an explanation of the available coding types and typical applications for each:

A-Coded	B-Coded	D-Coded
		
<p><b>A-coded connectors</b> are used for connecting sensors, actuators and safety devices used in factory automation applications. They are the most common used type of coding for it fits the majority of applications.</p>	<p><b>B-coded connectors</b> are used primarily in Fieldbus applications. Common uses include Interbus and Profibus systems. B-coded connectors are sometimes referred to as <b>reverse b-coded</b>.</p>	<p><b>D-coded connectors</b> are commonly used for industrial Ethernet &amp; ProfiNet applications. Industrial Ethernet connectors are designed to withstand harsh environments that commercial RJ45 style connectors could not withstand.</p>

\* Female connector face shown in illustration.