

Product description	7/8" female cable connector, Contacts: 4+PE, 10.0 - 12.0 mm, unshielded, screw clamp, IP67, UL, VDE
Area	7/8" series 820
Order number	99 2444 32 05

Illustration	Scale drawing	Contact arrangement (Plug-in side)																		
		<table border="1" style="margin: 10px 0;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-3,94</td> <td>-2,28</td> </tr> <tr> <td>2</td> <td>-3,94</td> <td>2,28</td> </tr> <tr> <td>3/⊕</td> <td>0,00</td> <td>4,54</td> </tr> <tr> <td>4</td> <td>3,94</td> <td>2,28</td> </tr> <tr> <td>5</td> <td>3,94</td> <td>-2,28</td> </tr> </tbody> </table> <p>                     1 schwarz/black                      2 blau/blue                      3 grün/gelb/green/yellow                      4 braun/brown                      5 weiß/white                 </p>		X	Y	1	-3,94	-2,28	2	-3,94	2,28	3/⊕	0,00	4,54	4	3,94	2,28	5	3,94	-2,28
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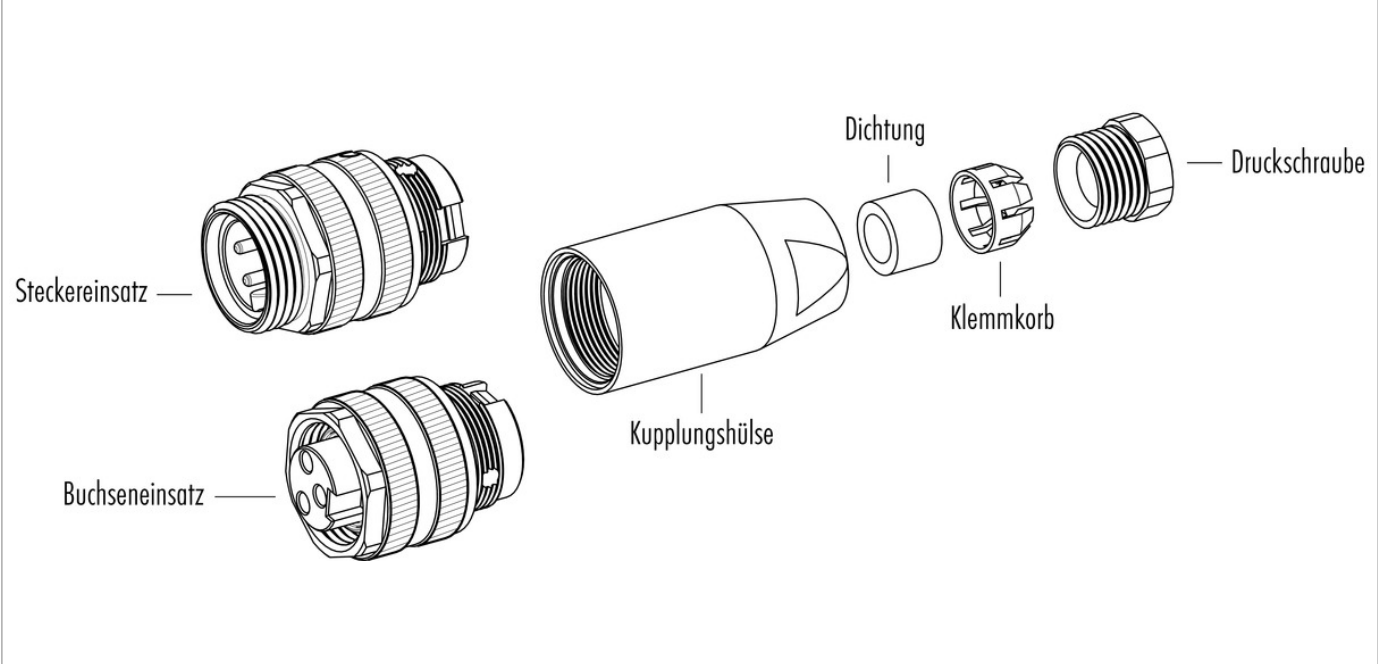
You can find the component part drawing and assembly instructions on the next page.

Technical data

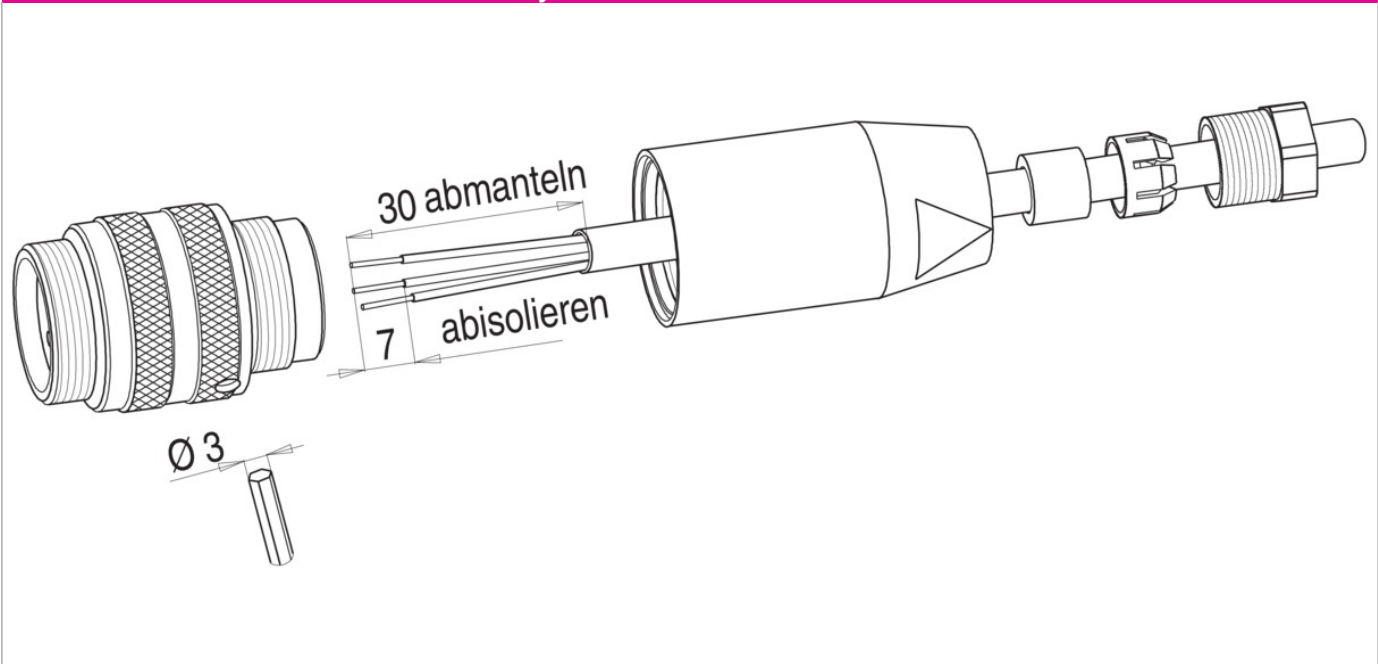
<h3 style="color: #e91e63; margin: 0;">General features</h3> <p>Order number 99 2444 32 05                  Connector design female cable connector                  Version connector female straight                  Connector locking system screw                  Termination screw clamp                  Degree of protection IP67                  Cross-sectional area max. 1.50 mm<sup>2</sup> / max. AWG 16                  Cable outlet 10.0 - 12.0 mm                  Temperature range from/to -25 °C / 85 °C                  Mechanical operation &gt; 50 Mating cycles                  Weight (g) 54.83                  Customs tariff number 85369010</p>	<h3 style="color: #e91e63; margin: 0;">Material</h3> <p>Housing material PBT                  Contact body material PUR/PA                  Contact material Pin: CuZn (brass) / Socket: CuSn (bronze)                  Contact plating Au (gold)                  Locking material Zinc die-cast nickel-plated                  REACH SVHC CAS 7439-92-1 (Lead)</p>	<h3 style="color: #e91e63; margin: 0;">Authorization/approvals</h3> <p>Approval 1 UL                  Approval 2 VDE</p>
<h3 style="color: #e91e63; margin: 0;">Electrical parameters</h3> <p>Rated voltage 300 (UL 600 V) V                  Rated impulse voltage 4000 V                  Rated current (40 °C) 9 A                  Insulation resistance ≥ 10<sup>10</sup> Ω                  Pollution degree 3                  Overvoltage category III                  Insulating material group III                  EMC compliance unshielded</p>	<h3 style="color: #e91e63; margin: 0;">Classifications</h3> <p>eCl@ss 11.1 27-44-01-02                  ETIM 7.0 EC002635</p>	<h3 style="color: #e91e63; margin: 0;">Declarations of conformity</h3> <p>Low Voltage Directive 2014/35/EU (EN 60204-1:2018; EN 60529:1991)</p>

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Component part drawing



Assembly instructions / Panel cut-out



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## Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

Plug connectors with enclosure protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre. To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).