

**Selection and ordering data**

| Description                                                                                                                                                                                                                                                                                                                                                                   | Article No.                                                                                                          |
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| <b>Spring disk coupling</b><br>Shaft diameter: <ul style="list-style-type: none"> <li>6 mm/6 mm (0.24 in/0.24 in)</li> <li>6 mm/5 mm (0.24 in/0.20 in)</li> </ul>                                                                                                                                                                                                             | <b>6FX2001-7KF10</b><br><b>6FX2001-7KF06</b>                                                                         |
| <b>Plug-in coupling</b><br>Shaft diameter: <ul style="list-style-type: none"> <li>6 mm/6 mm (0.24 in/0.24 in)</li> <li>10 mm/10 mm (0.39 in/0.39 in)</li> </ul>                                                                                                                                                                                                               | <b>6FX2001-7KS06</b><br><b>6FX2001-7KS10</b>                                                                         |
| <b>Clamp</b><br>(1 unit)<br>For double-track encoders and encoders with Synchro flange (3 units are required.)                                                                                                                                                                                                                                                                | <b>6FX2001-7KP01</b>                                                                                                 |
| <b>Signal connector with cap nut</b><br>(1 unit)<br>Mating connector for incremental encoder with TTL, sin/cos 1 V <sub>pp</sub> , HTL and absolute encoder with SSI<br>12-pole, insulator each with 12 socket contacts<br>0.08 ... 0.22 mm <sup>2</sup> and 0.20 ... 0.56 mm <sup>2</sup> ,<br>2 × cable clamping<br>6.5 ... 10 mm, and 10.1 ... 13 mm                       | <b>6FX2003-0SU12</b>                                                                                                 |
| <b>Signal connector with cap nut</b><br>(1 unit)<br>Mating connector for absolute encoder with EnDat<br>17-pole, insulator with 17 socket contacts<br>0.20 ... 0.56 mm <sup>2</sup> ,<br>2 × cable clamping<br>6.5 ... 10 mm, and 10.1 ... 13 mm                                                                                                                              | <b>6FX2003-0SU17</b>                                                                                                 |
| <b>Signal connector with external thread for encoders with cable</b><br>(1 unit)<br>Replacement connector for incremental encoder with RS422, sin/cos 1 V <sub>pp</sub> and HTL<br>12-pole, insulator with 12 pin contacts<br>0.20 ... 0.56 mm <sup>2</sup> ,<br>2 × cable clamping<br>6.5 ... 10 mm, and 10.1 ... 13 mm                                                      | <b>6FX2003-0SA12</b>                                                                                                 |
| <b>Power connecting cable</b><br>Pre-assembled cable for power supply of the absolute encoders with PROFINET IO with M12 plug connector and M12 plug socket, A-coded, 4-pole <ul style="list-style-type: none"> <li>Length 2 m (6.56 ft)</li> <li>Length 3 m (9.84 ft)</li> <li>Length 5 m (16.4 ft)</li> <li>Length 10 m (32.8 ft)</li> <li>Length 15 m (49.2 ft)</li> </ul> | <b>6XV1801-5DH20</b><br><b>6XV1801-5DH30</b><br><b>6XV1801-5DH50</b><br><b>6XV1801-5DN10</b><br><b>6XV1801-5DN15</b> |

| Description                                                                                                                                                                                                                                                                                                                                   | Article No.                                                                                                          |
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| <b>IE connecting cable</b><br>Pre-assembled signal cable for absolute encoders PROFINET IO with M12 plug connector and RJ45, D-coded, 4-pole <ul style="list-style-type: none"> <li>Length 2 m (6.56 ft)</li> <li>Length 3 m (9.84 ft)</li> <li>Length 5 m (16.4 ft)</li> <li>Length 10 m (32.8 ft)</li> <li>Length 15 m (49.2 ft)</li> </ul> | <b>6XV1871-5TH20</b><br><b>6XV1871-5TH30</b><br><b>6XV1871-5TH50</b><br><b>6XV1871-5TN10</b><br><b>6XV1871-5TN15</b> |
| <b>IE FC RJ45 Plug 145</b> (1 unit)<br>2 × 2 RJ45 connector with rugged metal enclosure and FC connection technology, 145° cable outlet                                                                                                                                                                                                       | <b>6GK1901-1BB30-0AA0</b>                                                                                            |
| <b>IE FC M12 Plug PRO</b> (1 unit)<br>M12 connector with metal enclosure and FC connection technology, axial cable outlet, D-coded                                                                                                                                                                                                            | <b>6GK1901-0DB20-6AA0</b>                                                                                            |
| <b>IE POWER M12 CABLE CONNECTOR PRO</b> (3 units)<br>Connection socket for connecting SCALANCE W-700/X208pro for 24 V DC supply voltage, 4-pole, A-coded, including assembly instructions                                                                                                                                                     | <b>6GK1907-0DC10-6AA3</b>                                                                                            |
| <b>IE FC TP Trailing Cable 2 × 2 (PROFINET Type C)</b><br>4-wire, shielded, PROFINET-compliant, TP installation cable for use in cable carriers, sold by the meter<br>Max. length 2000 m (6562 ft)<br>Minimum order 20 m (65.6 ft)                                                                                                            | <b>6XV1840-3AH10</b>                                                                                                 |