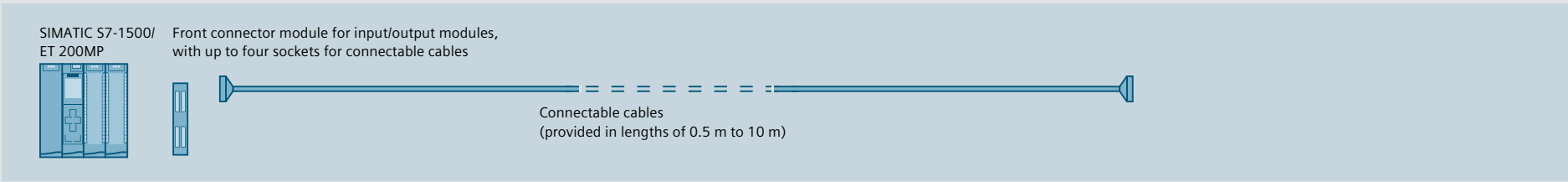


# Ordering data for SIMATIC TOP connect for SIMATIC S7-1500/ET 200MP

**The fully modular connection for SIMATIC S7-1500/ET 200MP  
for fast and clear connection to sensors and actuators in the field**



Front connector modules

Front connector module for digital modules  
to connect 16-pole connecting cables



| Terminals for input voltage | Order No.          |
|-----------------------------|--------------------|
| Screw terminals             | 6ES7921-5AB20-0AA0 |
| Push-in                     | 6ES7921-5AH20-0AA0 |

Front connector module for digital modules  
to connect 50-pole connecting cables



| Terminals for input voltage | Order No.          |
|-----------------------------|--------------------|
| Screw terminals             | 6ES7921-5CB20-0AA0 |
| Push-in                     | 6ES7921-5CH20-0AA0 |

Front connector module for 2 A digital output  
to connect 16-pole connecting cables



| Terminals for input voltage | Order No.          |
|-----------------------------|--------------------|
| Screw terminals             | 6ES7921-5AD00-0AA0 |
| Push-in                     | 6ES7921-5AJ00-0AA0 |

Front connector module for analog modules  
to connect 16-pole connecting cables



| Order No.          |
|--------------------|
| 6ES7921-5AK20-0AA0 |

Front connector module for analog modules  
to connect 50-pole connecting cables



| Order No.          |
|--------------------|
| 6ES7921-5CK20-0AA0 |

Connecting cables

Round cable, pre-assembled

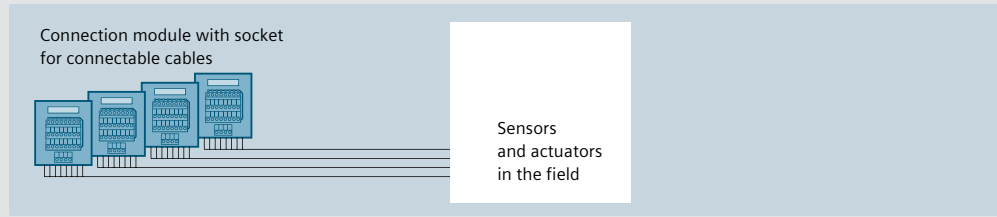
| Length |                                                                                     | Order No.          |                    |                    |
|--------|-------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|
|        |                                                                                     | unshielded 16-pole | unshielded 50-pole |                    |
| 0.5 m  |    | 6ES7923-0BA50-0CB0 | 6ES7923-5BA50-0CB0 |                    |
| 1.0 m  |                                                                                     | 6ES7923-0BB00-0CB0 | 6ES7923-5BB00-0CB0 |                    |
| 1.5 m  |                                                                                     | 6ES7923-0BB50-0CB0 | 6ES7923-5BB50-0CB0 |                    |
| 2.0 m  |                                                                                     | 6ES7923-0BC00-0CB0 | 6ES7923-5BC00-0CB0 |                    |
| 2.5 m  |                                                                                     | 6ES7923-0BC50-0CB0 | 6ES7923-5BC50-0CB0 |                    |
| 3.0 m  |                                                                                     | 6ES7923-0BD00-0CB0 | 6ES7923-5BD00-0CB0 |                    |
| 4.0 m  |                                                                                     | 6ES7923-0BE00-0CB0 | 6ES7923-5BE00-0CB0 |                    |
| 5.0 m  |                                                                                     | 6ES7923-0BF00-0CB0 | 6ES7923-5BF00-0CB0 |                    |
| 6.5 m  |                                                                                     | 6ES7923-0BG50-0CB0 | 6ES7923-5BG50-0CB0 |                    |
| 8.0 m  |                                                                                     | 6ES7923-0BJ00-0CB0 | 6ES7923-5BJ00-0CB0 |                    |
| 10 m   |                                                                                     | 6ES7923-0CB00-0CB0 | 6ES7923-5CB00-0CB0 |                    |
|        |                                                                                     | shielded 16-pole   | shielded 50-pole   |                    |
| 1.0 m  |  | 6ES7923-0BB00-0DB0 | 6ES7923-5BB00-0DB0 |                    |
| 2.0 m  |                                                                                     | 6ES7923-0BC00-0DB0 | 6ES7923-5BC00-0DB0 |                    |
| 2.5 m  |                                                                                     | 6ES7923-0BC50-0DB0 | 6ES7923-5BC50-0DB0 |                    |
| 3.0 m  |                                                                                     | 6ES7923-0BD00-0DB0 | 6ES7923-5BD00-0DB0 |                    |
| 4.0 m  |                                                                                     | 6ES7923-0BE00-0DB0 | 6ES7923-5BE00-0DB0 |                    |
| 5.0 m  |                                                                                     | 6ES7923-0BF00-0DB0 | 6ES7923-5BF00-0DB0 |                    |
| 6.5 m  |                                                                                     | 6ES7923-0BG50-0DB0 | 6ES7923-5BG50-0DB0 |                    |
| 8.0 m  |                                                                                     | 6ES7923-0BJ00-0DB0 | 6ES7923-5BJ00-0DB0 |                    |
| 10 m   |                                                                                     |                    | 6ES7923-0CB00-0DB0 | 6ES7923-5CB00-0DB0 |

Label for connection module

| Version                                                                         | Order No.     |
|---------------------------------------------------------------------------------|---------------|
| for connection modules in S7-1500 design (6ES7924-0..20-0..0) plug-in, 340 pcs. | 3RT1900-1SB20 |

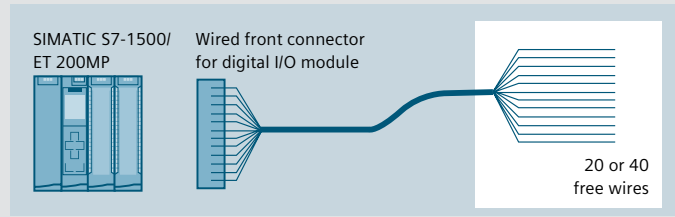
Flat cable (sold by the meter)

| Length | Order No.                                                                                                  |
|--------|------------------------------------------------------------------------------------------------------------|
|        | unshielded 16-pole                                                                                         |
| 30 m   | 6ES7923-0CD00-0AA0                                                                                         |
| 60 m   | 6ES7923-0CG00-0AA0                                                                                         |
|        | unshielded 2 x 16-pole                                                                                     |
| 30 m   | 6ES7923-2CD00-0AA0                                                                                         |
| 60 m   | 6ES7923-2CG00-0AA0                                                                                         |
|        | shielded 16-pole                                                                                           |
| 30 m   | 6ES7923-0CD00-0BA0                                                                                         |
| 60 m   | 6ES7923-0CG00-0BA0                                                                                         |
|        | Accessories for flat cables sold by the meter                                                              |
|        | 8 connectors and 8 strain reliefs<br>6ES7921-3BE10-0AA0                                                    |
|        | Pliers for insulation displacement method for cable assembly (sold by the meter)<br><br>6ES7928-0AA00-0AA0 |
|        | Accessories for connection module inputs/outputs analog                                                    |
|        | Shielding plate TPA S7-1500 for 8 channels<br>6ES7928-1AA20-4AA0                                           |
|        | Shielding plate TPA S7-1500 for 32 channels<br>6ES7928-1BA20-4AA0                                          |



| Connection modules                                                                    |                                                                                       |                                       |                |                        |                        |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------|----------------|------------------------|------------------------|
| Connection module for digital modules                                                 |                                                                                       |                                       |                |                        |                        |
|                                                                                       |                                                                                       | Terminals                             | Signal-<br>ing | Order No.              |                        |
|    |    | TP1 for 1-wire connection             |                | 8 I/O                  | 32 I/O                 |
|                                                                                       |                                                                                       | Screw                                 |                | 6ES7924-0AA20-0AA0     | 6ES7924-2AA20-0AA0     |
|                                                                                       |                                                                                       | Push-in                               |                | 6ES7924-0AA20-0AC0     | 6ES7924-2AA20-0AC0     |
|    |    | Screw                                 | LED            | 6ES7924-0AA20-0BA0     | 6ES7924-2AA20-0BA0     |
|                                                                                       |                                                                                       | Push-in                               | LED            | 6ES7924-0AA20-0BC0     | 6ES7924-2AA20-0BC0     |
|                                                                                       |                                                                                       | TP3 for 3-wire connection             |                | 8 I/O                  | 32 I/O                 |
|    |    | Screw                                 |                | 6ES7924-0CA20-0AA0     | 6ES7924-2CA20-0AA0     |
|                                                                                       |                                                                                       | Push-in                               |                | 6ES7924-0CA20-0AC0     | 6ES7924-2CA20-0AC0     |
|                                                                                       |                                                                                       | Screw                                 | LED            | 6ES7924-0CA20-0BA0     | 6ES7924-2CA20-0BA0     |
|    |    | Push-in                               | LED            | 6ES7924-0CA20-0BC0     | 6ES7924-2CA20-0BC0     |
|                                                                                       |                                                                                       | Screw, disconnect terminal            | LED            | 6ES7924-0CH20-0BA0     |                        |
|                                                                                       |                                                                                       | Push-in, disconnect terminal          | LED            | 6ES7924-0CH20-0BC0     |                        |
|   |   | Screw, fuse                           | LED            | 6ES7924-0CL20-0BA0     |                        |
|                                                                                       |                                                                                       | Push-in, fuse                         | LED            | 6ES7924-0CL20-0BC0     |                        |
|                                                                                       |                                                                                       | TPRo <sup>1)</sup> relay, NO contact  |                | for 8 outputs          |                        |
|  |  | Screw                                 | LED            | 6ES7924-0BD20-0BA0     |                        |
|                                                                                       |                                                                                       | Push-in                               | LED            | 6ES7924-0BD20-0BC0     |                        |
|  |  | TPRI <sup>2)</sup> relay, NO contact  |                | for 8 inputs, 230 V AC | for 8 inputs, 230 V AC |
|                                                                                       |                                                                                       | Screw                                 | LED            | 6ES7924-0BE20-0BA0     | 6ES7924-0BG20-0BA0     |
|                                                                                       |                                                                                       | Push-in                               | LED            | 6ES7924-0BE20-0BC0     | 6ES7924-0BG20-0BC0     |
|  |  | TPOo <sup>3)</sup> optocoupler module |                | for 8 outputs          |                        |
|                                                                                       |                                                                                       | Screw                                 | LED            | 6ES7924-0BF20-0BA0     |                        |
|                                                                                       |                                                                                       | Push-in                               | LED            | 6ES7924-0BF20-0BC0     |                        |
| Connection module for 2 A digital modules                                             |                                                                                       |                                       |                |                        |                        |
|  |  | TP2 for 2-wire initiators             |                | for 8 outputs          |                        |
|                                                                                       |                                                                                       | Screw                                 |                | 6ES7924-0BB20-0AA0     |                        |
|                                                                                       |                                                                                       | Push-in                               |                | 6ES7924-0BB20-0AC0     |                        |
| Connection module for analog modules (for S7-1500 only)                               |                                                                                       |                                       |                |                        |                        |
|  |  | TPA for analog modules                |                | 16-pole connection     | 50-pole connection     |
|                                                                                       |                                                                                       | Screw                                 |                | 6ES7924-0CC20-0AA0     | 6ES7924-2CC20-0AA0     |
|                                                                                       |                                                                                       | Push-in                               |                | 6ES7924-0CC20-0AC0     | 6ES7924-2CC20-0AC0     |

**The flexible connection for SIMATIC S7-1500/ET 200MP:**  
simple wiring for the control cabinet



| S7-1500 front connector with single core                                    |                                                             |                                                         |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|
|                                                                             | for 32 digital I/O modules                                  | for 16 digital I/O modules                              |
| Version / length                                                            | Front connector completely pre-assembled (from pin 1 to 40) | Front connector partly pre-assembled (from pin 1 to 20) |
|                                                                             | Order No. 1 pc.                                             | Order No. 1 pc.                                         |
| Core type H05V-K (0.5 mm <sup>2</sup> with screwed connection)              |                                                             |                                                         |
| 2.5 m                                                                       | 6ES7922-5BC50-0AC0                                          | 6ES7922-5BC50-0AB0                                      |
| 3.2 m                                                                       | 6ES7922-5BD20-0AC0                                          | 6ES7922-5BD20-0AB0                                      |
| 5.0 m                                                                       | 6ES7922-5BF00-0AC0                                          | 6ES7922-5BF00-0AB0                                      |
| 6.5 m                                                                       | 6ES7922-5BG50-0AC0                                          | 6ES7922-5BG50-0AB0                                      |
| 8.0 m                                                                       | 6ES7922-5BJ00-0AC0                                          | 6ES7922-5BJ00-0AB0                                      |
| 10.0 m                                                                      | 6ES7922-5CB00-0AC0                                          | 6ES7922-5CB00-0AB0                                      |
| Core type H05Z-K halogen-free (0.5 mm <sup>2</sup> with screwed connection) |                                                             |                                                         |
| 2.5 m                                                                       | 6ES7922-5BC50-0HCO                                          | 6ES7922-5BC50-0HB0                                      |
| 3.2 m                                                                       | 6ES7922-5BD20-0HCO                                          | 6ES7922-5BD20-0HB0                                      |
| 5.0 m                                                                       | 6ES7922-5BF00-0HCO                                          | 6ES7922-5BF00-0HB0                                      |
| 6.5 m                                                                       | 6ES7922-5BG50-0HCO                                          | 6ES7922-5BG50-0HB0                                      |
| 8.0 m                                                                       | 6ES7922-5BJ00-0HCO                                          | 6ES7922-5BJ00-0HB0                                      |
| 10.0 m                                                                      | 6ES7922-5CB00-0HCO                                          | 6ES7922-5CB00-0HB0                                      |
| Core type UL/CSA-certified (0.5 mm <sup>2</sup> with screwed connection)    |                                                             |                                                         |
| 3.2 m                                                                       | 6ES7922-5BD20-0UC0                                          | 6ES7922-5BD20-0UB0                                      |
| 5.0 m                                                                       | 6ES7922-5BF00-0UC0                                          | 6ES7922-5BF00-0UB0                                      |
| 6.5 m                                                                       | 6ES7922-5BG50-0UC0                                          | 6ES7922-5BG50-0UB0                                      |