



SIMATIC bus adapter: BA LC/FC, media converter glass FOC/CU 1x LC FO connection and, 1x FastConnect (FC) connection

| General information                                                                           |                                                                                        |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Product type designation                                                                      | BA LC/FC                                                                               |
| HW functional status                                                                          | from FS04                                                                              |
| Interfaces                                                                                    |                                                                                        |
| Number of PROFINET interfaces                                                                 | 1; 2 ports (switch) LC / FC                                                            |
| Supports protocol for PROFINET IO                                                             |                                                                                        |
| <ul style="list-style-type: none"> <li>Number of FC (FastConnect) connections</li> </ul>      | 1                                                                                      |
| <ul style="list-style-type: none"> <li>Number of LC ports</li> </ul>                          | 1; Wavelength of 1 270 ... 1 380 nm, corresponds to 100BASE-FX                         |
| Cable length                                                                                  |                                                                                        |
| — Cu conductors                                                                               | 100 m                                                                                  |
| — Multimode graded-index fiber 50/125 µm                                                      | 3 km; min. transmit power -23.5 dB, min. receiver sensitivity -31 dB                   |
| — Multimode graded-index fiber 62.5/125 µm                                                    | 3 km; min. transmit power -20 dB, min. receiver sensitivity -31 dB                     |
| Standards, approvals, certificates                                                            |                                                                                        |
| Ecological footprint                                                                          |                                                                                        |
| <ul style="list-style-type: none"> <li>environmental product declaration</li> </ul>           | Yes                                                                                    |
| Global warming potential                                                                      |                                                                                        |
| — global warming potential, (total) [CO2 eq]                                                  | 27.1 kg                                                                                |
| — global warming potential, (during production) [CO2 eq]                                      | 1.35 kg                                                                                |
| — global warming potential, (during operation) [CO2 eq]                                       | 25.7 kg                                                                                |
| — global warming potential, (after end of life cycle) [CO2 eq]                                | -0.023 kg                                                                              |
| Ambient conditions                                                                            |                                                                                        |
| Ambient temperature during operation                                                          |                                                                                        |
| <ul style="list-style-type: none"> <li>horizontal installation, min.</li> </ul>               | -30 °C                                                                                 |
| <ul style="list-style-type: none"> <li>horizontal installation, max.</li> </ul>               | 60 °C                                                                                  |
| <ul style="list-style-type: none"> <li>vertical installation, min.</li> </ul>                 | -30 °C                                                                                 |
| <ul style="list-style-type: none"> <li>vertical installation, max.</li> </ul>                 | 50 °C                                                                                  |
| Altitude during operation relating to sea level                                               |                                                                                        |
| <ul style="list-style-type: none"> <li>Installation altitude above sea level, max.</li> </ul> | 5 000 m; restrictions for installation altitudes > 2 000 m, see ET 200SP system manual |
| Dimensions                                                                                    |                                                                                        |
| Width                                                                                         | 20 mm                                                                                  |
| Height                                                                                        | 69.5 mm                                                                                |
| Depth                                                                                         | 59 mm                                                                                  |
| Weights                                                                                       |                                                                                        |
| Weight, approx.                                                                               | 50 g                                                                                   |
| Classifications                                                                               |                                                                                        |

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 16      | 27-24-26-92    |
| eClass | 14      | 27-24-26-92    |
| eClass | 12      | 27-24-26-92    |
| eClass | 9.1     | 27-24-26-92    |
| eClass | 9       | 27-24-26-92    |
| eClass | 8       | 27-24-26-92    |
| eClass | 7.1     | 27-24-26-92    |
| eClass | 6       | 27-24-26-92    |
| ETIM   | 10      | EC002584       |
| ETIM   | 9       | EC002584       |
| ETIM   | 8       | EC002584       |
| ETIM   | 7       | EC002584       |
| IDEA   | 4       | 3552           |
| UNSPSC | 15      | 32-15-17-03    |

#### Approvals / Certificates

##### General Product Approval



[Manufacturer Declaration](#)



##### General Product Approval

##### For use in hazardous locations



[FM](#)

[CCC-Ex](#)

##### For use in hazardous locations

##### Maritime application



[Miscellaneous](#)

[Type Examination Certificate](#)

[CCC-Ex](#)



##### Maritime application



[NK / Nippon Kaiji Kyokai](#)



##### Maritime application

##### Environment

[CCS \(China Classification Society\)](#)

[KR \(Korean Register of Shipping\)](#)



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