SIEMENS

Data sheet 6ES7193-6AG70-0AA0



SIMATIC BusAdapter BA LC-LD/M12 1x LC-LD port, for single-mode fiber-optic cable, up to 20 km, 1x M12 socket, D-coded, PushPull

General information	
Product type designation	BA LC-LD / M12
Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch) LC-LD / M12
Supports protocol for PROFINET IO	
● Number of LC ports	1; wavelength of 1 270 ... 1 380 nm, corresponds to 100BASE-LX
● Number of M12 ports	1
Cable length	
— Cu conductors	100 m
— single-mode fiber-optic cable 9/125 µm	20 km; 10 km for topology or IRT configuration; min. transmit power -15 dB, min. receiver sensitivity -28 dB
Standards, approvals, certificates	
Ecological footprint	
● environmental product declaration	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	
● horizontal installation, min.	-30 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	-30 °C
● vertical installation, max.	50 °C
Altitude during operation relating to sea level	
● Installation altitude above sea level, max.	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.	45 g
Classifications	

	Version	Classification
eClass	16	27-24-26-92

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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

Approvals / Certificates

General Product Approval





Manufacturer Declaration






General Product Approval






For use in hazardous locations



FM

CCC-Ex

For use in hazardous locations





Miscellaneous

Type Examination Certificate

CCC-Ex

Maritime application



Maritime application







NK / Nippon Kaiji Kyokai





Maritime application

CCS (China Classification Society)

Environment



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