SIEMENS

Data sheet	6ES7655-5BA00-0AB0

SIMATIC Compact FF Link Combination of DP/FF Link and FF coupler, Foundation Fieldbus Linkmaster, physical interface for Foundation Fieldbus H1, integrated bus supply up to 500 mA, with redundancy capability, integrated diagnostics, 40 mm wide, Degree of protection IP20, for extended temperature range

General information	
Product type designation	Compact FF-Link
Firmware version	V1.0
Engineering with	
● STEP 7 configurable/integrated from version	V5.5 SP4 Hotfix 6 or higher
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	4 A min.
Mains buffering	
● Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, max.	1.3 A
output voltage / header	
Rated value (DC)	31 V
Power loss	
Power loss, typ.	8 W
Address area	
Addressing volume	
● Inputs	244 byte
● Outputs	244 byte
Interfaces	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s
1. Interface	
automatic detection of transmission rate	Yes
Interface types	
● Design of the connection	9-pin sub D socket
Protocols	
Bus protocol/transmission protocol	Foundation Fieldbus H1 (FF)
PROFIBUS DP	
● Number of node addresses, max.	1 to 125 permitted
Services	
— SYNC capability	Yes
— FREEZE capability	Yes
Potential separation	

Potential separation exists	Yes; Between PROFIBUS, Foundation Fieldbus and 24 V input voltage
Degree and class of protection	
IP degree of protection	IP30
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Ambient conditions	
Ambient temperature during operation	
● horizontal installation, min.	-40 °C
● horizontal installation, max.	70 °C
● vertical installation, min.	-40 °C
● vertical installation, max.	50 °C
Dimensions	
Width	40 mm
Height	125 mm
Depth	130 mm
Weights	
Weight, approx.	350 g

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