



***** spare part ***** 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, redundancy capability, integrated diagnostics, 40 mm wide, degree of protection IP 20, for extended temperature range

General information	
Product type designation	Compact FF-Link
Firmware version	V1.0
Engineering with	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Inputs Outputs 	244 byte
	244 byte
Interfaces	
Transmission procedure	RS 485
Transmission rate, max.	12 Mbit/s
1. Interface	
automatic detection of transmission rate	Yes
Interface types	
<ul style="list-style-type: none"> Design of the connection 	9-pin sub D socket
Protocols	
Bus protocol/transmission protocol	Foundation Fieldbus H1 (FF)
PROFIBUS DP	
<ul style="list-style-type: none"> 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
-----------------	-------

Classifications

	Version	Classification
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval	For use in hazardous locations
--------------------------	--------------------------------



[Miscellaneous](#)



For use in hazardous locations



[Type Examination Certificate](#)

[FM](#)



[CCC-Ex](#)

last modified:

3/12/2024