SIEMENS

Data sheet	6ES7617-0BA01-0AB0

SIMATIC FDE Gateway V1 Field Data Enabler / OT gateway for cloud connections 1xDI 12/24 V - 1xDQ 24 V 1xAI 0...10 V or 4...20 mA 2x 10/100 Mbps 24 V DC industrial power supply

General information	
Product type designation	SIMATIC FDE Gateway V1
Installation type/mounting	
Design	IoT Gateway, built-in unit
Supply voltage	
Type of supply voltage	12 V DC to 24 V DC
Rated value (DC)	24 V
Mains buffering	
● Mains/voltage failure stored energy time	10 ms; according to IEC 61131-2 (6.2.1.3) severity degree PS2
Input current	
Current consumption, max.	0.6 A
Memory	
Capacity of main memory, max.	16 Mbyte
Digital inputs	
Number of digital inputs	1
Input voltage	
● Type of input voltage	DC
● for signal "0"	0 ... 5 V
● for signal "1"	> 12 V DC
Input current	
● for signal "0", max. (permissible quiescent current)	2.26 mA
● for signal "1", typ.	2.26 mA
Digital outputs	
Type of digital output	open collector
Number of digital outputs	1
Short-circuit protection	Yes
Output voltage	
● Type of output voltage	DC
● permissible voltage at output, min.	9.2 V
● permissible voltage at output, max.	28 V
Output current	
● for signal "1" rated value	0.3 A
Analog inputs	
Number of analog inputs	1
Input ranges	
● Voltage	Yes; 0 to 10V
● Current	Yes; 0 to 20 mA
Input ranges (rated values), voltages	
● 0 to +10 V	Yes
Input ranges (rated values), currents	

• 0 to 20 mA	Yes
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Ethernet (RJ45)
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
Protocols	
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
Integrated Functions	
Monitoring functions	
• Status LEDs	10x LEDs
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
CSA approval	No
UL approval	No
RCM (formerly C-TICK)	Yes; in preperation
CCC	Yes; in preperation
EMC	CE (industry)
Ambient conditions	
Ambient temperature during operation	
• min.	-30 °C
• max.	60 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	5 000 m
Relative humidity	
• Relative humidity	5 ... 85 % at 30 °C, no condensation
• Operation, max.	85 %
Dimensions	
Width	18 mm
Height	90 mm
Depth	76.6 mm

last modified:	8/11/2023 ⬀

12/16/2023