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Data sheet 6ES7241-1CH32-0XB0

SIMATIC S7-1200, COMMUNICATION MODULE CM 1241, RS422/485, 9 PIN SUB D (FEMALE) SUPPORTS MESSAGE BASED FREEPORT



Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption, max.	220 mA; From backplane bus 5 V DC
Power loss	
Power loss, typ.	1.1 W
Interfaces	
Number of interfaces	1
Interface (physical) RS 422/485 (X.27)	Yes
Point-to-point	
• Cable length, max.	1 000 m
Integrated protocol driver	
— ASCII	Yes; Available as library function
— USS	Yes; Available as library function

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Ambient conditions	
Ambient temperature during operation	
• permissible temperature range	-20 °C to +60 °C horizontal mounting, -20 °C to 50 °C vertical mounting, 95% humidity, non-condensing
• permissible temperature change	5°C to 55°C, 3°C / minute
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Air pressure acc. to IEC 60068-2-13	
• Operation, min.	795 hPa
• Operation, max.	1 080 hPa
• Storage/transport, min.	660 hPa
• Storage/transport, max.	1 080 hPa
Relative humidity	
• permissible range (without condensation) at 25 °C	95 %

Dimensions	
Width	30 mm
Height	100 mm
Depth	75 mm

Weights	
Weight, approx.	155 g

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