

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

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

last modified: 08.01.2016