

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



Supply voltage	
24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Power losses	
Power loss, typ.	1.2 W
Interfaces	
Number of interfaces	1
Interface physics, RS 422/RS 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
Climatic and mechanical conditions for storage and transport	
Climatic conditions for storage and transport	
Free fall	
— Drop height, max. (in packaging)	0.3 m; five times, in dispatch package

Temperature	
— Permissible temperature range	-40 °C to +70 °C
Air pressure acc. to IEC 60068-2-13	
— Permissible air pressure	1080 to 660 hPa
Relative humidity	
— Permissible range (without condensation) at 25 °C	95 %

Mechanical and climatic conditions during operation

Climatic conditions in operation	
Temperature	
— 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
Air pressure acc. to IEC 60068-2-13	
— Permissible air pressure	1080 to 795 hPa

Software	
Runtime software	
Target system	
— S7-1200	Yes

Dimensions	
Width	30 mm
Height	100 mm
Depth	75 mm

Weights	
Weight, approx.	155 g
last modified:	14.10.2014