

# SIEMENS

## Product data sheet

**6ES7241-1CH31-0XB0**

SIMATIC S7-1200,  
COMMUNICATION MODULE CM 1241,  
RS422/485, 9 PIN SUB D (MALE),  
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
Input current	
Current consumption, max.	240 mA ; From L5+; logic
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.	1000 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
Mechanical and climatic conditions during operation	

Climatic conditions in operation	
Temperature	
Permissible temperature range	0 °C to 55 °C horizontal installation 0 °C to 45 °C vertical installation
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
Weight	
Weight, approx.	155 g
Status	Jul 26, 2012