

# SIEMENS

## Product data sheet

**6ES7241-1CH30-1XB0**

SIMATIC S7-1200,  
COMMUNICATION COMMUNICATION BOARD CB  
1241,  
RS485,  
SCREW CONNECTOR SUPPORTS MESSAGE  
BASED FREEPORT

<b>Input current</b>	
from backplane bus 5 V DC, typ.	50 mA
<b>Power losses</b>	
Power loss, typ.	1.5 W
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
Diagnostic functions	Yes
<b>Diagnostics indication LED</b>	
For status of the outputs	Yes
<b>Degree and class of protection</b>	
IP20	Yes
<b>Standards, approvals, certificates</b>	
CE mark	Yes
C-TICK	Yes
FM approval	Yes
<b>Climatic and mechanical conditions for storage and transport</b>	
<b>Climatic conditions for storage and transport</b>	
<b>Free fall</b>	
Drop height, max. (in packaging)	0.3 m ; five times, in dispatch package
<b>Temperature</b>	
Permissible temperature range	-40 °C to +70 °C
<b>Air pressure acc. to IEC 60068-2-13</b>	
Permissible air pressure	1080 to 660 hPa
<b>Mechanical and climatic conditions during operation</b>	

<b>Climatic conditions in operation</b>	
<b>Temperature</b>	
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
<b>Air pressure acc. to IEC 60068-2-13</b>	
Permissible air pressure	1080 to 795 hPa
<b>Pollutant concentrations</b>	
SO <sub>2</sub> at RH < 60% without condensation	SO <sub>2</sub> : < 0.5 ppm; H <sub>2</sub> S: < 0.1 ppm; RH < 60% condensation-free
<b>Mechanics/material</b>	
<b>Type of housing (front)</b>	
Plastic	Yes
<b>Dimensions</b>	
Width	38 mm
Height	62 mm
Depth	21 mm
<b>Weight</b>	
Weight, approx.	40 g
Status	Jul 17, 2012