



Figure similar

SIPLUS S7-1200 CM 1241 RS-232 based on 6ES7241-1AH32-0XB0 with conformal coating, -40...+70 °C, start up -25 °C, communications module RS-232, 9-pole D-sub (pin), supports Freeport

General information	
Product type designation	CM 1241 RS 232
based on	6ES7241-1AH32-0XB0
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption, max.	220 mA; From L5+; logic
Power loss	
Power loss, typ.	1.1 W
Interfaces	
Interfaces/bus type	RS 232C (V.24)
Number of interfaces	1
Point-to-point connection	
• Cable length, max.	10 m
Ambient conditions	
Free fall	
• Fall height, max.	0.3 m; five times, in product package
Ambient temperature during operation	
• min.	-40 °C; = Tmin (incl. condensation/frost); start-up @ -25 °C
• max.	70 °C; = Tmax
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	5 000 m
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
Relative humidity	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
Coolants and lubricants	
— Resistant to commercially available coolants and lubricants	Yes; Incl. diesel and oil droplets in the air
Use in stationary industrial systems	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request

— to chemically active substances according to EN 60721-3-3		Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *	
— to mechanically active substances according to EN 60721-3-3		Yes; Class 3S4 incl. sand, dust, *	
Use on ships/at sea			
— to biologically active substances according to EN 60721-3-6		Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request	
— to chemically active substances according to EN 60721-3-6		Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); *	
— to mechanically active substances according to EN 60721-3-6		Yes; Class 6S3 incl. sand, dust; *	
Usage in industrial process technology			
— Against chemically active substances acc. to EN 60654-4		Yes; Class 3 (excluding trichlorethylene)	
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04		Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level LC3 (salt spray) and level LB3 (oil)	
Remark			
— Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04		* The supplied plug covers must remain in place over the unused interfaces during operation!	
Conformal coating			
• Coatings for printed circuit board assemblies acc. to EN 61086		Yes; Class 2 for high reliability	
• Protection against fouling acc. to EN 60664-3		Yes; Type 1 protection	
• Military testing according to MIL-I-46058C, Amendment 7		Yes; Discoloration of coating possible during service life	
• Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A		Yes; Conformal coating, Class A	
Dimensions			
Width		30 mm	
Height		100 mm	
Depth		75 mm	
Weights			
Weight, approx.		150 g	
Classifications			
		Version	Classification
eClass		14	27-24-22-08
eClass		12	27-24-22-08
eClass		9.1	27-24-22-08
eClass		9	27-24-22-08
eClass		8	27-24-22-08
eClass		7.1	27-24-22-08
eClass		6	27-24-22-08
ETIM		9	EC001423
ETIM		8	EC001423
ETIM		7	EC001423
IDEA		4	3564
UNSPSC		15	32-15-17-05
Approvals / Certificates			
General Product Approval			EMV
Miscellaneous  EG-Konf.  Manufacturer Declaration  UL KC			
EMV	For use in hazardous locations	Maritime application	



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