SIEMENS

Data sheet

6AG1223-1PH32-4XB0

SIPLUS S7-1200 SM 1223 8DI/8DQ RLY for medial exposure with conformal coating based on 6ES7223-1PH32-0XB0 . Digital input/output 8 DI/8 DQ, 8 DI 24 V DC, Sink/Source, 8 DQ, relay 2:00 AM



Figure similar

General information	
Product type designation	SM 1223, DI 8x24 V DC, DQ 8x relay
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	
from backplane bus 5 V DC, max.	145 mA
Digital inputs	
 from load voltage L+ (without load), max. 	4 mA/input 11 mA/relay
Output voltage	
Power supply to the transmitters	
• present	Yes
Power loss	
Power loss, typ.	5.5 W

Digital inputs	
Number of digital inputs	8
• in groups of	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	8
horizontal installation	
— up to 40 °C, max.	8
— up to 50 °C, max.	8
vertical installation	
— up to 40 °C, max.	8
Input voltage	
 Type of input voltage 	DC
• Rated value (DC)	24 V
● for signal "0"	5 V DC at 1 mA
● for signal "1"	15 V DC at 2.5 mA
Input current	
 for signal "0", max. (permissible quiescent current) 	1 mA
● for signal "1", min.	2.5 mA
● for signal "1", typ.	4 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	Yes; 0.2 ms, 0.4 ms, 0.8 ms, 1.6 ms, 3.2 ms, 6.4 ms and 12.8 ms, selectable in groups of four
for interrupt inputs	
— parameterizable	Yes
Cable length	
• shielded, max.	500 m
• unshielded, max.	300 m
Digital outputs	
Number of digital outputs	8
• in groups of	2
Short-circuit protection	No; to be provided externally
Switching capacity of the outputs	
 with resistive load, max. 	2 A
● on lamp load, max.	30 W with DC, 200 W with AC
Output voltage	
• Rated value (DC)	5 V DC to 30 V DC
• Rated value (AC)	5 V AC to 250 V AC

Output current	
 for signal "1" rated value 	2 A
 for signal "1" permissible range, max. 	2 A
Output delay with resistive load	
• "0" to "1", max.	10 ms
• "1" to "0", max.	10 ms
Total current of the outputs (per group)	
horizontal installation	
— up to 50 °C, max.	10 A; Current per mass
Relay outputs	
 Number of relay outputs 	8
 Rated supply voltage of relay coil L+ (DC) 	24 V
 Number of operating cycles, max. 	mechanically 10 million, at rated load voltage 100 000
Switching capacity of contacts	
— with inductive load, max.	2 A
— on lamp load, max.	30 W with DC, 200 W with AC
— with resistive load, max.	2 A
Cable length	
 shielded, max. 	500 m
• unshielded, max.	150 m
Interrupts/diagnostics/status information	Yes
Diagnostics function	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
Monitoring the supply voltage	Yes
Diagnostics indication LED	
 for status of the inputs 	Yes
 for status of the outputs 	Yes
• for maintenance	Yes
Potential separation Potential separation digital inputs	
between the channels, in groups of	2
Potential separation digital outputs	-
between the channels	Relays
 between the channels, in groups of 	2
 between the channels and backplane bus 	1 500 V AC for 1 minute
Permissible potential difference	
between different circuits	750 V AC for 1 minute

Ö PNAP

IP degree of protection IP20 Ambient conditions Free fall • Fall height, max. 0.3 m; five times, in product package Ambient temperature during operation • "C • max. 60 °C; = Tmax • At cold restart, min. -0 °C Ambient temperature during storaget/ransportation • "C • min. -40 °C • max. 70 °C Altude during operation relating to sea level 200 m • Installation alturde above sea level, max. 2000 m • Ambient air temperature-barometric pressurealitude Tmin (Tmax 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax 2 0 k) at 756 hPa (-2 000 m 43 500 m +5 000 m) // bt min (Tmax 1 0 k) at 756 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 k) at 756 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 k) at 756 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 k) at 756 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 k) at 756 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 k) at 756 hPa (-1 000 m +3 500 m +5 000 m) // He colorestion, tested in accordance with IEC 60068-2-38, max. • Welt hounderstion, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl .condensation/frost (no commissioning under condensation dubricants - Resistance Coolaris and lubricants Yes - No Hoemically active substances according to EN 60721-3-3 Yes; Class 3B2 mold	Degree and class of protection	
Free fail 0.3 m; five times, in product package Ambient temperature during operation 0.3 m; five times, in product package Ambient temperature during storage/transportation -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C 60 °C; = Tmax 0 °C Ambient temperature during storage/transportation -40 °C • min. -20 °C; = Tmax • min. 0 °C Ambient temperature during storage/transportation -40 °C • max. 70 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. • Ambient air temperature-barometric pressure- altitude 100 m • Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +2 000 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m); above 2 000 m max. 132 V AC Relative humidity • With condensation, tested in accordance with IEC 60068-28, max. • Resistant to commercially available coolants and lubricants 100 %; RH lincl. condensation/fost (no commissioning under condensation conditions) Use in stationary industrial systems	IP degree of protection	IP20
Free fail 0.3 m; five times, in product package Ambient temperature during operation 0.3 m; five times, in product package Ambient temperature during storage/transportation -20 °C; = Tmin (incl. condensation/frost); start-up @ 0 °C 60 °C; = Tmax 0 °C Ambient temperature during storage/transportation -40 °C • min. -20 °C; = Tmax • min. 0 °C Ambient temperature during storage/transportation -40 °C • max. 70 °C Altitude during operation relating to sea level • Installation altitude above sea level, max. • Ambient air temperature-barometric pressure- altitude 100 m • Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +2 000 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m); above 2 000 m max. 132 V AC Relative humidity • With condensation, tested in accordance with IEC 60068-28, max. • Resistant to commercially available coolants and lubricants 100 %; RH lincl. condensation/fost (no commissioning under condensation conditions) Use in stationary industrial systems	Ambient conditions	
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Ambient temperature during storage/transportation • min. -40 °C • max. 70 °C Attitude during operation relating to sea level • • Installation altitude above sea level, max. 2 000 m • Ambient air temperature-barometric pressurealtitude Tmin (Tmax + 10 K) at 795 hPa (-1 000 m +2 000 m) // • Ambient air temperature-barometric pressurealtitude Tmin (Tmax + 10 K) at 795 hPa (+2 000 m +3 500 m). • Belative humidity 00 %; RH incl. condensation/frost (no commissioning under condensation conditions) Relative humidity 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) Resistance Coolants and lubricants Coolants and lubricants Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request • to biologically active substances according to EN 60721-3-3 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 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request • to mechanically 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); *	• max.	60 °C; = Tmax
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mm.70 °CAltitude during operation relating to sea level2000 m• Ambient air temperature-barometric pressure- altitude2000 m• Ambient air temperature-barometric pressure- altitudeTmin Trax at 1140 hPa 795 hPa (-1000 m +2000 m) // Tmin (Trax - 10 K) at 795 hPa (-580 hPa (+300 m +3 500 m) // Tmin (Trax - 10 K) at 795 hPa (-580 hPa (+300 m +3 500 m) // Tmin (Trax - 10 K) at 795 hPa (-580 hPa (+300 m +3 500 m) // Tmin (Trax - 20 K) at 658 hPa 500 hPa (+3 500 m +5 000 m); above 2 000 m max. 132 V ACRelative humidity100 %; RH incl. condensation/frost (no commissioning under condensation conditions)Resistance100 %; RH incl. condensation/frost (no commissioning under condensation conditions)Coolants and lubricants100 %; RH incl. condensation/frost (no commissioning under condensation conditions)Use in stationary industrial systemsYes— to biologically active substances according to EN 60721-3-3Yes; Class 382 mold, fungus and dry rot spores (with the exception of fauna); Class 383 on requestYes; class 354 incl. sand, dust, *Yes; Class 662 mold and fungal spores (excluding fauna); Class 683 on requestUse on ships/at seaYes; Class 662 mold and fungal spores (excluding fauna); Class 683 on requestUse on ships/at seaYes; Class 662 mold and fungal spores (excluding fauna); Class 683 on request— to inclenally active substances according to EN 60721-3-6Yes; Class 663 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 662 mold and fungal spores (exclu	Ambient temperature during storage/transportation	
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• Installation altitude above sea level, max. 2 000 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); above 2 000 m max. 132 V AC Relative humidity • • With condensation, tested in accordance with IEC 60068-2-38, max. 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) Resistance 100 %; RH incl. condensation/frost (no commissioning under condenst and lubricants - Resistant to commercially available coolants and lubricants Yes - 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).* Use on ships/at sea 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 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request - to chemically active substances according to EN 60721-3-6 Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request - to mechanically active substances according to EN 60721-3-6 Yes; Class 6C3 (RH < 75 %) incl. sa	• max.	70 °C
 Ambient air temperature-barometric pressure- altitude 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); above 2 000 m max. 132 V AC Relative humidity With condensation, tested in accordance with IEC 60068-2-38, max. Coolants and lubricants IO0 %; RH incl. condensation/frost (no commissioning under condensation conditions) Resistance Coolants and lubricants Ves Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request 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 Use on ships/at sea — to mechanically active substances according to EN 60721-3-6 Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * Yes; Class 6G3 (incl. sand, dust; * Yes; Class 6G3 (incl. sand, dust; * Yes; Class 6G3 incl. sand	Altitude during operation relating to sea level	
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 With condensation, tested in accordance with IEC 60068-2-38, max. Resistance Coolants and lubricants — Resistant to commercially available coolants and lubricants Use in stationary industrial systems — to biologically active substances according to EN 60721-3-3 — to mechanically active substances according to EN 60721-3-3 Use on ships/at sea — to biologically active substances according to EN 60721-3-3 Use on ships/at sea — to chemically active substances according to EN 60721-3-3 Use on ships/at sea — to chemically active substances according to EN 60721-3-3 Use on ships/at sea — to chemically active substances according to EN 60721-3-6 Use on ships/at sea — to chemically active substances according to EN 60721-3-6 Use on ships/at sea — to chemically active substances according to EN 60721-3-6 Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request 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 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 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 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to		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
IEC 60068-2-38, max.condensation conditions)ResistanceCoolants and lubricants	Relative humidity	
Coolants and lubricants Yes — Resistant to commercially available coolants and lubricants Yes Use in stationary industrial systems Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request — to biologically 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); *		
— Resistant to commercially available coolants and lubricantsYesUse in stationary industrial systems—— to biologically active substances according to EN 60721-3-3Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request— to chemically active substances according to EN 60721-3-3Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-3Yes; Class 3S4 incl. sand, dust, *Use on ships/at seaYes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to chemically active substances according to EN 60721-3-6Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to mechanically active substances according to EN 60721-3-6Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; *Usage in industrial process technologyYes; Class 3 (excluding trichlorethylene)	Resistance	
Coolants and lubricantsUse in stationary industrial systems- to biologically active substances according to EN 60721-3-3Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request- to chemically active substances according to EN 60721-3-3Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *- to mechanically active substances according to EN 60721-3-3Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on requestUse on ships/at seaYes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request- to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *- to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *- to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *- to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *- to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; *Usage in industrial process technology — Against chemically active substances acc.Yes; Class 3 (excluding trichlorethylene)	Coolants and lubricants	
— to biologically active substances according to EN 60721-3-3Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request— to chemically active substances according to EN 60721-3-3Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-3Yes; Class 3S4 incl. sand, dust, *Use on ships/at seaYes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to biologically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to chemically active substances according to EN 60721-3-6Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *Usage in industrial process technologyYes; Class 6S3 incl. sand, dust; *— Against chemically active substances acc.Yes; Class 3 (excluding trichlorethylene)	-	Yes
to EN 60721-3-3exception of fauna); Class 3B3 on request— to chemically active substances according to EN 60721-3-3Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-3Yes; Class 3S4 incl. sand, dust, *Use on ships/at seaYes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to biologically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *Usage in industrial process technologyYes; Class 6S3 incl. sand, dust; *— Against chemically active substances acc.Yes; Class 3 (excluding trichlorethylene)	Use in stationary industrial systems	
to EN 60721-3-352 (severity degree 3); * to mechanically active substances according to EN 60721-3-3Yes; Class 3S4 incl. sand, dust, *Use on ships/at seaYes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request to biologically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); * to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; * to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; * to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; * to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; * to mechanically active substances according to EN 60721-3-6Yes; Class 3 (excluding trichlorethylene)		
according to EN 60721-3-3Use on ships/at sea— to biologically active substances according to EN 60721-3-6Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; *Usage in industrial process technologyYes; Class 3 (excluding trichlorethylene)		
— to biologically active substances according to EN 60721-3-6Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request— to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; *Usage in industrial process technologyYes; Class 3 (excluding trichlorethylene)	-	Yes; Class 3S4 incl. sand, dust, *
to EN 60721-3-66B3 on request— to chemically active substances according to EN 60721-3-6Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2- 52 (severity degree 3); *— to mechanically active substances according to EN 60721-3-6Yes; Class 6S3 incl. sand, dust; *Usage in industrial process technology — Against chemically active substances acc.Yes; Class 3 (excluding trichlorethylene)	Use on ships/at sea	
to EN 60721-3-6 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		- · · · · ·
according to EN 60721-3-6 Usage in industrial process technology — Against chemically active substances acc. Yes; Class 3 (excluding trichlorethylene)		
— Against chemically active substances acc. Yes; Class 3 (excluding trichlorethylene)	-	Yes; Class 6S3 incl. sand, dust; *
	Usage in industrial process technology	
	Against shamisally active substances are	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
Connection method	
required front connector	Yes
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Dimensions	
Width	45 mm
Height	100 mm
Depth	75 mm
Weights	
Weight, approx.	230 g
last modified:	10/13/2020

