SIEMENS

Data sheet

6AG1322-1BL00-2AA0

SIPLUS S7-300 SM322 32 DO - 40-POLE -25 ... +70 DGR C WITH CONFORMAL COATING CONFORMITY WITH EN50155 T1 KAT 1 KL A/B BASED ON 6ES7322-1BL00-0AA0 . DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A, 1 X 40 PIN, SUM OF OUTPUT CURRENTS 4A/GROUP (16A/MODULE)



Supply voltage		
Load voltage L+		
Rated value (DC)	24 V	
 permissible range, lower limit (DC) 	20.4 V	
• permissible range, upper limit (DC)	28.8 V	
Input current		
from load voltage L+ (without load), max.	160 mA	
from backplane bus 5 V DC, max.	110 mA	
Power loss		
Power loss, typ.	6.6 W	
Digital outputs		
Number of digital outputs	32	
Limitation of inductive shutdown voltage to	L+ (-53 V)	
Switching capacity of the outputs		
• on lamp load, max.	5 W	
Load resistance range		
• lower limit	48 Ω	

Output voltage • for signal "1", min. Cutput current • for signal "1" rated value • for signal "1" riminimum load current • for signal "0" residual current, max. 0.5 mA Switching frequency • with resistive load, max. 100 Hz • on lamp load, max. 10 Hz Total current of the outputs (per group) horizontal installation — up to 40 "C, max. — up to 60 "C, max. — up to 70 "C, max. — ye to 70 "C, max. 2 A vartical installation — up to 40 "C, max. • shelded, max. folion max. Cable length • shelded, max. • unshielded, max. • unshielded, max. • unshielded, max. holion max. **Oliagnostics function Diagnostics function No No Diagnostics function No Diagnostic siloncial LED • Rated load voltage PWR (green) • Rough of the siloncial residual current, max. • Cabuse the channels • Channel fault indicator F (red) No **Potential separation Potential separation digital outputs • between the channels, in groups of 8 8 • between the channels, in groups of 8 between difference between different circuits 75 V DC(60 V AC	• upper limit	4 kΩ	
Output current • for signal "1" rated value • for signal "1" minimum load current • for signal "0" residual current, max. • for signal "0" residual current, max. • on lamp load, max. 100 Hz Total current of the outputs (per group) horizontal installation — up to 40 °C, max. — up to 60 °C, max. — up to 70 °C, max. — up to 70 °C, max. 2 A vertical installation — up to 40 °C, max. 2 A Cable length • shielded, max. • on shielded, max. Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm Diagnostic messages • Wire-break • Short-circuit • No • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Status indicator digital output (green) • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential separation Potential separation Potential separation Potential separation Petermissible potential difference	Output voltage		
• for signal "1" rated value • for signal "1" ininimum load current • for signal "1" minimum load current • for signal "0" residual current, max. • Switching frequency • with resistive load, max. • on lamp load, max. • on lamp load, max. • on lamp load, max. • up to 40 "C, max. • up to 60 "C, max. • up to 70 "C, max. • up to 70 "C, max. • up to 70 "C, max. • vertical installation • up to 40 "C, max. • up to 70 "C, max. • up to 70 "C, max. • ushielded, max. • unshielded, max. • Unignostic struction Diagnostics function No Alarms • Diagnostic alarm Diagnostic messages • Wire-break • Short-circuit • missing load voltage Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Stort-circuit indicator F (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation Potential separation Permissible potential difference	• for signal "1", min.	L+ (-0.8 V)	
• for signal "1" minimum load current • for signal "0" residual current, max. Switching frequency • with resistive load, max. • on lamp load, max. • on lamp load, max. • on lamp load, max. — up to 40 "C, max. — up to 60 "C, max. — up to 70 "C, max. — up to 40 "C, max. — under the companies of the companie	Output current		
• for signal "0" residual current, max. Switching frequency • with resistive load, max. • on lamp load, max. 10 Hz Total current of the outputs (per group) horizontal installation — up to 40 °C, max. — up to 60 °C, max. — up to 60 °C, max. — up to 70 °C, max. — up to 40 °C, max. — up to 40 °C, max. — up to 40 °C, max. — up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. • Diagnostics function No Alarms • Diagnostic alarm Diagnostic surrent • Wire-break • Wire-break • Wire-break • Short-circuit • missing load voltage Diagnostic indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential output difference	● for signal "1" rated value	0.5 A	
Switching frequency • with resistive load, max. • on lamp load, max. • on lamp load, max. 10 Hz Total current of the outputs (per group) horizontal installation — up to 40 °C, max. — up to 60 °C, max. — up to 70 °C, max. — up to 40 °C, max. 2 A vertical installation — up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. 1 000 m Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • No • Short-circuit • No • Short-circuit • No Diagnostics indication LED • Rated load voltage PUR (green) • Rated load voltage • Status indicator digital output (green) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation • between the channels • between the channels • between the channels • between the channels and backplane bus Permissible potential difference	for signal "1" minimum load current	5 mA	
with resistive load, max. on lamp load, max. 10 Hz Total current of the outputs (per group) horizontal installation	• for signal "0" residual current, max.	0.5 mA	
on lamp load, max. Total current of the outputs (per group) horizontal installation — up to 40 °C, max. — up to 60 °C, max. — up to 70 °C, max. — up to 70 °C, max. — up to 40 °C, max. — up to 40 °C, max. — up to 40 °C, max. 2 A Vertical installation — up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. • unshielded, max. • Diagnostics function Diagnostics function No Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Wire-break • Short-circuit • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Fuse OK FSG (green) • Croup error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation digital outputs • between the channels of the processor of the service o	Switching frequency		
Total current of the outputs (per group) horizontal installation — up to 40 °C, max. 4 A — up to 60 °C, max. 3 A — up to 70 °C, max. 2 A vertical installation — up to 40 °C, max. 2 A vertical installation — up to 40 °C, max. 2 A Cable length • shielded, max. 1000 m • unshielded, max. 600 m Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm No Diagnostic messages • Wire-break No • short-circuit No • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) No • Fuse OK FSG (green) No • Group error SF (red) No • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential separation Potential separation groups of 8 • between the channels in groups of 9 • between the channels and backplane bus Yes; Optocoupler	with resistive load, max.	100 Hz	
horizontal installation - up to 40 °C, max. 4 A - up to 60 °C, max. 3 A - up to 70 °C, max. 2 A vertical installation - up to 40 °C, max. 2 A vertical installation - up to 40 °C, max. 2 A Cable length • shielded, max. 1 000 m • unshielded, max. 6000 m Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm No Diagnostic alarm No Diagnostic ruction No Alarms • Wire-break No • Short-circuit No • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) No • Fuse OK FSG (green) No • Group error SF (red) No • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential separation Potential separation digital outputs • between the channels in groups of 8 • between the channels and backplane bus Yes; Optocoupler	• on lamp load, max.	10 Hz	
- up to 40 °C, max up to 60 °C, max up to 70 °C, max up to 70 °C, max. - up to 40 °C, max. - up to 40 °C, max. 2 A vertical installation - up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. • unshielded, max. • Diagnostics/status information Diagnostic function Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • No • Short-circuit • No • missing load voltage Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential separation Potential separation Potential separation digital outputs • between the channels yes; Optocoupler	Total current of the outputs (per group)		
- up to 60 °C, max up to 70 °C, max. 2 A vertical installation - up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. • lognostics/status information Diagnostics function Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • nissing load voltage Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation Potential separation bus permissible potential difference Permissible potential difference	horizontal installation		
- up to 70 °C, max. vertical installation - up to 40 °C, max. 2 A Cable length • shielded, max. • unshielded, max. • unshielded, max. • unshielded, max. • Diagnostics function Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • missing load voltage Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation Potential separation in groups of • between the channels, in groups of • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	— up to 40 °C, max.	4 A	
vertical installation — up to 40 °C, max. Cable length • shielded, max. • unshielded, max. • unshielded, max. 1 000 m Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • Mo • Short-circuit • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation Potential separation digital outputs • between the channels, in groups of • between the channels, and backplane bus Permissible potential difference	— up to 60 °C, max.	3 A	
up to 40 °C, max. Cable length • shielded, max. • unshielded, max. • unshielded, max. 1 000 m Interrupts/diagnostics/status information Diagnostics function No Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit No • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	— up to 70 °C, max.	2 A	
Cable length • shielded, max. • unshielded, max. 1 000 m therrupts/diagnostics/status information Diagnostics function Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) No Potential separation Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	vertical installation		
shielded, max. unshielded, max. 1000 m Interrupts/diagnostics/status information Diagnostics function Alarms Diagnostic alarm Diagnostic messages Wire-break Short-circuit No insising load voltage Piagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels, in groups of between the channels and backplane bus Permissible potential difference	— up to 40 °C, max.	2 A	
unshielded, max. Interrupts/diagnostics/status information Diagnostics function Alarms Diagnostic alarm Diagnostic messages Wire-break Short-circuit Mo insising load voltage Piagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Status indicator digital output (green) Channel fault indicator F (red) No Potential separation Potential separation Potential separation in groups of between the channels, in groups of between the channels and backplane bus Permissible potential difference	Cable length		
Interrupts/diagnostics/status information Diagnostics function Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation digital outputs • between the channels • between the channels and backplane bus Permissible potential difference	• shielded, max.	1 000 m	
Diagnostics function Alarms Diagnostic alarm No Diagnostic messages Wire-break Short-circuit No missing load voltage No Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation Potential separation Potential separation digital outputs between the channels between the channels and backplane bus Permissible potential difference	• unshielded, max.	600 m	
Alarms • Diagnostic alarm No Diagnostic messages • Wire-break • Short-circuit • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation Potential separation digital outputs • between the channels • between the channels and backplane bus Permissible potential difference	Interrupts/diagnostics/status information		
Diagnostic alarm Diagnostic messages Wire-break Short-circuit No missing load voltage No Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Diagnostics function	No	
Diagnostic messages • Wire-break • Short-circuit • No • missing load voltage No Diagnostics indication LED • Rated load voltage PWR (green) • Fuse OK FSG (green) • Group error SF (red) • Status indicator digital output (green) • Channel fault indicator F (red) Potential separation Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	Alarms		
Wire-break Short-circuit No missing load voltage No Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Diagnostic alarm	No	
Short-circuit In Mo In missing load voltage No Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) No Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Diagnostic messages		
missing load voltage Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Wire-break	No	
Diagnostics indication LED Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Short-circuit	No	
Rated load voltage PWR (green) Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) No Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	 missing load voltage 	No	
Fuse OK FSG (green) Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference	Diagnostics indication LED		
Group error SF (red) Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference No Yes; Optocoupler	 Rated load voltage PWR (green) 	No	
Status indicator digital output (green) Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference Yes; per channel No Yes; per channel No Potential separation Yes Yes Yes Yes Optocoupler	• Fuse OK FSG (green)	No	
 Channel fault indicator F (red) Potential separation Potential separation digital outputs between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference No No Permissible potential difference	 Group error SF (red) 	No	
Potential separation Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	 Status indicator digital output (green) 	Yes; per channel	
Potential separation digital outputs • between the channels • between the channels, in groups of • between the channels and backplane bus Permissible potential difference	 Channel fault indicator F (red) 	No	
 between the channels between the channels, in groups of between the channels and backplane bus Permissible potential difference Yes Yes Optocoupler			
 between the channels, in groups of between the channels and backplane bus Permissible potential difference 	Potential separation digital outputs		
between the channels and backplane bus Yes; Optocoupler Permissible potential difference	• between the channels	Yes	
Permissible potential difference	between the channels, in groups of	8	
	• between the channels and backplane bus	Yes; Optocoupler	
between different circuits 75 V DC/60 V AC			
	between different circuits	75 V DC/60 V AC	

Isolation		
Isolation tested with	500 V DC	
Ctandarda approvala sartificatas		
Standards, approvals, certificates CE mark	Yes	
UL approval	Yes; File E239877	
RCM (formerly C-TICK)	Yes	
KC approval	Yes	
EAC (formerly Gost-R)	Yes	
Railway application	163	
• EN 50155	Yes; Sections 4, 5 and 12; no further agreements apply; T1, Category 1, Class A/B, EN 50155:2007	
Ambient conditions		
Ambient temperature during operation		
• min.	-25 °C; = Tmin	
● max.	70 °C; = Tmax; for use on railway vehicles according to EN50155, the rated temperature range -25 +55 °C (T1) or 60 °C @ UL/ULhaz/ATEX/FM use applies	
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		
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 land craft, rail vehicles and special-purpose vehicles		
 to biologically active substances according to EN 60721-3-5 	Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna); Class 5B3 on request	
 to chemically active substances according to EN 60721-3-5 	Yes; Class 5C3 (RH < 75 %) incl. salt spray acc. to EN 50155 (ST2); *	

To biologically active substances according to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 Remark — Note regarding classification of environmental conditions acc. to EN 60721 Conformal coating • Coatings for printed circuit board assemblies acc. to EN 61086 • Electronic equipment on rolling stock acc. to EN 50155 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Width Height Dimensions Width Height Depth 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); * Yes; Class 6B3 on request Yes; Class 2 for high availability Yes; Class 2 for high availability Yes	•	Yes; Class 5S3 incl. sand, dust; *
to EN 60721-3-6 — to chemically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 Remark — Note regarding classification of environmental conditions acc. to EN 60721 Conformal coating	Use on ships/at sea	
to EN 60721-3-6 — to mechanically active substances according to EN 60721-3-6 Remark — Note regarding classification of environmental conditions acc. to EN 60721 Conformal coating • Coatings for printed circuit board assemblies acc. to EN 61086 • Electronic equipment on rolling stock acc. to EN 50155 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Width Height Depth 52 (severity degree 3); * Yes; Class 6S3 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; * Yes; Class 2 for high availability Yes; Class 2 for high availability Yes; Class PC2 protective coating acc. to EN 50155:2017 Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A Ves; Conformal coating, Class A		
according to EN 60721-3-6 Remark Note regarding classification of environmental conditions acc. to EN 60721 Conformal coating • Coatings for printed circuit board assemblies acc. to EN 61086 • Electronic equipment on rolling stock acc. to EN 50155 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height 125 mm Depth Weights	-	
Note regarding classification of environmental conditions acc. to EN 60721 Note regarding classification of environmental conditions acc. to EN 60721 Conformal coating Coatings for printed circuit board assemblies acc. to EN 61086 Electronic equipment on rolling stock acc. to EN 50155 Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Note regarding classification of environmental coating possible during acc. to EN 50155:2017 Yes; Class PC2 protective coating acc. to EN 50155:2017 Yes; Discoloration of coating possible during service life Yes; Conformal coating, Class A Ves; Class PC2 protective coating acc. to EN 50155:2017	•	Yes; Class 6S3 incl. sand, dust; *
environmental conditions acc. to EN 60721 interfaces during operation! Conformal coating Coatings for printed circuit board assemblies acc. to EN 61086 Electronic equipment on rolling stock acc. to EN 50155 Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights	Remark	
Coatings for printed circuit board assemblies acc. to EN 61086 Electronic equipment on rolling stock acc. to EN 50155 Military testing according to MIL-I-46058C, Amendment 7 Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height 125 mm Depth Weights		
acc. to EN 61086 • Electronic equipment on rolling stock acc. to EN 50155 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights	Conformal coating	
EN 50155 • Military testing according to MIL-I-46058C, Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height Depth 125 mm Depth Weights		Yes; Class 2 for high availability
Amendment 7 • Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights		Yes; Class PC2 protective coating acc. to EN 50155:2017
Insulating Compound for Printed Board Assemblies according to IPC-CC-830A Connection method required front connector 40-pin Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights		Yes; Discoloration of coating possible during service life
required front connector Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights	Insulating Compound for Printed Board	Yes; Conformal coating, Class A
Dimensions Width 40 mm Height 125 mm Depth 120 mm Weights	Connection method	
Width 40 mm Height 125 mm Depth 120 mm Weights	required front connector	40-pin
Height 125 mm Depth 120 mm Weights	Dimensions	
Depth 120 mm Weights	Width	40 mm
Weights	Height	125 mm
	Depth	120 mm
	Weights	
		260 g

12/14/2018

last modified: