6BK1943-2CH00-0AA0

Data sheet



SIPLUS HCS4300 POM4320 Highend rear panel mounting UL with 6 outputs each max. 12800 W (at 400 V AC)

Product type designation Installation type/mounting Mounting type Mounting position Type of veritiation Self-ventilation Syphy voltage Type of supply voltage Type of vertical conductor or Supply voltage Type of lead to the power supply for electronics Type of load Type of vertical conductor or Supply voltage Type of load Type of load Type of load Type of load Type of vertical conductor or Supply voltage Type of load Type of load Type of load Type of load Type of vertical conductor or Supply voltage Type of load Type	General information	
Mounting type Mounting position Mounting position Mounting position Vertical Type of ventilation Supply voltage Type of supply voltage Rated value (AC) Pelative negative tolerance Relative positive	Product type designation	POM4320 Highend
Mounting position Self-ventilation Self-venti	Installation type/mounting	
Type of ventilation Supply voltage Type of supply voltage Rated value (AC) Relative positive tolerance Relativ	Mounting type	Backplane mounting
Type of supply voltage Rated value (AC) Relative negative tolerance Relative positive tolerance Relative spositive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative spower fiallure tolerance Relative spower fiallure, typ. 1 s Connection method Position of electrical connection for supply voltage Connectable conductor cross-sections, solid Connection method Position of electrical connection for supply voltage Connectable conductor cross-sections finely stranded with wire end processing Connectable conductor cross-sections for AWG Cable Ca	Mounting position	vertical
Type of supply voltage Rated value (AC) Rated value (AC) Relative negative tolerance Relative positive tolerance Relative positive tolerance Relative negative tolerance Relative positive tolerance Relative negative tolerance Relative positive positive to	Type of ventilation	Self-ventilation
Rated value (AC) Relative negative tolerance Relative positive tolerance	Supply voltage	
Relative negative tolerance Relative positive positive positive positive positive positive positive positive posi	Type of supply voltage	AC
Relative positive tolerance 2nd rated value (AC) Relative negative tolerance Relative positive tolerance Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cables Cables Cables Revover the power supply for electronics Power electronics 25 % Revover input, max. 10 W Power electronics	Rated value (AC)	230 V; phase - neutral conductor
2nd rated value (AC) Relative negative tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive relative positive positive positive positive positive p	 Relative negative tolerance 	10 %
Relative negative tolerance Relative positive tolerance Relative negative tolerance Relative negative tolerance Relative negative tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relat	 Relative positive tolerance 	30 %
Relative positive tolerance Relative negative tolerance Relative positive tolerance Relative positive tolerance Relative negative tolerance Relative negative tolerance Relative negative tolerance Relative positive tolerance Relative spositive tolerance Relative spositive tolerance Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Ix (1.5 35 mm²) Input voltage Recovery time after power failure, typ. Input voltage Power supply for electronics Power supply via CIM Power electronics	2nd rated value (AC)	277 V; phase - neutral conductor
3rd rated value (AC) Relative negative tolerance Relative positive tolerance Relative spositive tolerance Relative symmetrical tolerance Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cables Cables Cables Design of the power supply for electronics Power Supply via CIM Power Active power input, max. 10 W Power electronics	 Relative negative tolerance 	25 %
Relative negative tolerance Relative positive tolerance Relative positive tolerance 480 V; Phase - phase Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative spositive tolerance Relative spositive tolerance Relative symmetrical tolerance Rated value 50 Hz Rated value 60 Hz Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cables Cables Cables Recovery time after power failure, typ. Terminal, 3-pole + N + PE Terminal, 3-pole + N + P	Relative positive tolerance	8 %
Relative positive tolerance 4th rated value (AC) Relative negative tolerance Relative positive tolerance 8 % Line frequency Rated value 50 Hz Rated value 60 Hz Relative symmetrical tolerance 5 % Mains buffering Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N 1x (1.5 35 mm²) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W	3rd rated value (AC)	400 V; Phase - phase
4th rated value (AC) Relative negative tolerance Relative positive tolerance Relative symmetrical tolerance Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Recovery time after power failure, typ. Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. 10 W Power electronics	 Relative negative tolerance 	10 %
Relative negative tolerance Relative positive tolerance Relative positive tolerance Relative positive tolerance Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. 10 W Power electronics	 Relative positive tolerance 	30 %
Relative positive tolerance Rated value 50 Hz Rated value 60 Hz Rated value 60 Hz Relative symmetrical tolerance Relative symmetrical tolerance Recovery time after power failure, typ. Recovery time after power failure, typ. Terminal, 3-pole + N + PE Connection method Design of electrical connection for supply voltage Connectable conductor cross-sections, solid Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cables Cables Cable cross-sections for N Connectable conductor cross-sections for AWG cables Cable cross-sections for N Connectable conductor cross-sections for AWG cables Cable cross-sections for N Connectable conductor cross-sections for AWG cables Cable cross-sections for N Connectable conductor cross-sections for AWG cables Connectable conductor cross	4th rated value (AC)	480 V; Phase - phase
Line frequency Rated value 50 Hz Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. Yes Yes Yes Yes Yes Yes Yes Ye	 Relative negative tolerance 	25 %
Rated value 50 Hz Rated value 60 Hz Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. Yes Yes Yes Yes Yes Yes Yes Ye	Relative positive tolerance	8 %
Rated value 60 Hz Relative symmetrical tolerance Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. Yes Yes Yes Yes 5 % Mains buffering Yes 5 % 1 s Connectable conductor torse-sections for N + PE 1 x (1.5 50 mm²) 1 x (1.5 35 mm²) 1 x (1.6 1) 1 x (0.2 2.5 mm²) Power supply via CIM	Line frequency	
Relative symmetrical tolerance Mains buffering Recovery time after power failure, typ. 1 s Connection method Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Ix (1.5 35 mm²) 1x (1.5 35 mm²) 1x (1.6 1) Input voltage device version of the power supply for electronics Power supply via CIM Power electronics	 Rated value 50 Hz 	Yes
Mains buffering ● Recovery time after power failure, typ. Connection method ● Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. 1 s 1 s 1 c 1 s 1 c 1 s 1 c 1 c	 Rated value 60 Hz 	Yes
 Recovery time after power failure, typ. Connection method Design of electrical connection for supply voltage Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cable cross-sections for N Input voltage device version of the power supply for electronics Power electronics In the conductor of the power supply for electronics Power electronics 1 s 1 cminute (1.5 50 mm²) 1 x (1.5 35 mm²) 1 x (1.5 35 mm²) In the conductor cross-sections for N In the condu	Relative symmetrical tolerance	5 %
Connection method ● Design of electrical connection for supply voltage — Connectable conductor cross-sections, solid — Connectable conductor cross-sections, finely stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Ix (1.5 35 mm²) 1x (1.5 35 mm²) 1x (16 1) 1x (0.2 2.5 mm²) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W Power electronics	Mains buffering	
Design of electrical connection for supply voltage Connectable conductor cross-sections, solid Connectable conductor cross-sections, finely stranded with wire end processing Connectable conductor cross-sections for AWG cables Cable cross-sections for N Input voltage device version of the power supply for electronics Power Active power input, max. Terminal, 3-pole + N + PE 1x (1.5 50 mm²) 1x (1.5 35 mm²) 1x (1.6 1) 1x (0.2 2.5 mm²) Power supply via CIM Power Active power input, max. 10 W Power electronics	 Recovery time after power failure, typ. 	1 s
- Connectable conductor cross-sections, solid - Connectable conductor cross-sections, finely stranded with wire end processing - Connectable conductor cross-sections for AWG cables - Cable cross-sections for N Ix (1.5 35 mm²) 1x (1.6 1) 1x (0.2 2.5 mm²) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W Power electronics	Connection method	
- Connectable conductor cross-sections, finely stranded with wire end processing - Connectable conductor cross-sections for AWG cables - Cable cross-sections for N Ix (1.5 35 mm²) 1x (16 1) cables - Cable cross-sections for N Ix (0.2 2.5 mm²) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W Power electronics	 Design of electrical connection for supply voltage 	Terminal, 3-pole + N + PE
stranded with wire end processing — Connectable conductor cross-sections for AWG cables — Cable cross-sections for N Ix (16 1) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W Power electronics	 Connectable conductor cross-sections, solid 	1x (1.5 50 mm²)
cables — Cable cross-sections for N Ix (0.2 2.5 mm²) Input voltage device version of the power supply for electronics Power supply via CIM Power Active power input, max. 10 W Power electronics		1x (1.5 35 mm²)
Input voltage device version of the power supply for electronics Power Active power input, max. 10 W Power electronics		1x (16 1)
device version of the power supply for electronics Power Active power input, max. 10 W Power electronics	 Cable cross-sections for N 	1x (0.2 2.5 mm²)
Power Active power input, max. 10 W Power electronics	Input voltage	
Active power input, max. 10 W Power electronics	device version of the power supply for electronics	Power supply via CIM
Power electronics	Power	
	Active power input, max.	10 W
Type of load Ohmic load	Power electronics	
	Type of load	Ohmic load

Power capacity, max.	76.8 kW; At 400 V AC
 For phase against phase with fan at 40 °C, max. 	76.8 kW; At 400 V AC
 For phase against neutral with fan at 40 °C, max. 	44.16 kW; at 230 V AC
Switching capacity current per phase, max.	105 A; 90 A (UL)
Short-time withstand current (SCCR) acc. to UL 508A	100 kA
Control of heating elements	
Half-wave control	Yes
Soft start	Yes
Phase control	Yes
Load connection type	
• Star connection with neutral conductor (single-phase)	Yes
Open delta connection (single-phase)	Yes; Incoming fuse in the device optionally possible
 closed delta connection (2-phase) 	Yes; Economy circuit
 Closed delta connection (3-phase) 	Yes
Star connection with neutral conductor (2-phase)	Yes; Economy circuit
star connection without neutral conductor (3-phase)	Yes
2-pole switching	Yes; Phase - phase
Setpoint input	
Percent	Yes
Watts	Yes
Heating power	
	6; Possible parallel switching of 2 outputs
Number of digital outputs	
Number of heating elements per output, max.	5
Output voltage for heating power	230 V
2nd output voltage for heating power	277 V
 3rd output voltage for heating power 	400 V
 4th output voltage for heating power 	480 V
 Power carrying capacity per output, min. 	1 200 W; At 400 V AC
 Power carrying capacity per output, max. 	12 800 W; At 400 V AC
 for heating elements with high inrush current, max. 	6 000 W; At 400 V AC
 Output current for heating power 	32 A; max.
Melting I2t value	250 A²·s
 Design of short-circuit protection per output 	Melting fuse 32 A
 Design of overvoltage protection 	Transil Diode
Connection method	
 Design of electrical connection at output for heating and fan 	plug, 3-pole, with operating lever, push-in
 Connectable conductor cross-sections, solid 	1x (0.75 16 mm²)
 Connectable conductor cross-sections, finely stranded with wire end processing 	1x (0.75 16 mm²)
 Connectable conductor cross-sections for AWG 	1x (18 4)
cables, stranded	
Interfaces	
Interfaces/bus type	system interface
nterrupts/diagnostics/status information	
Number of status displays	9
LED status display	LED green = ready, LED yellow = heating on/off, LED red = error display, LED red = error for each channel
Diagnostics function	Voltage and current diagnosis
Diagnoses	
• Fuse blown	Yes
Load failure	Yes
Triac error	Yes
Switch-off threshold for internal device temperature	Yes
Parallel-connected heating elements	Yes
Rotating field fault	Yes
Communication error	Yes
Supply voltage not connected	Yes
Line voltage outside the permissible range	Yes
Frequency outside the permissible range	Yes
Fault current too high	Yes
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Manitaring functions	
Monitoring functions	Von
Temperature monitoring Time of temperature monitoring	Yes
Type of temperature monitoring	NTC thermistor
Measuring functions	V
Voltage measurement	Yes
Current measurement	Yes
Fault current detection	Yes; For 2-pole switching
Potential separation	
Design of electrical isolation	Optocoupler and/or protective impedance between main circuit and PELV
between the outputs	No
Isolation	
Overvoltage category	III
Degree of pollution	2
EMC	
EMC interference emission	Limit value in accordance with IEC 61000-6-4:2007 + A1:2011
Electrostatic discharge acc. to IEC 61000-4-2	4 kV contact discharge / 8 kV air discharge
Field-related interference acc. to IEC 61000-4-3	10 V/m (80 1 000 MHz), 3 V/m (1.4 2.0 GHz), 1 V/m (2.0 2.7 GHz)
Conducted interference due to burst acc. to IEC 61000-4-4	2 kV power supply lines, 2 kV load lines
Conducted interference due to surge acc. to IEC 61000-4-5	on supply and load lines: 1 kV symmetric, 2 kV unsymmetric
Conducted interference due to high-frequency radiation acc. to IEC 61000-4-6	10 V (0.15 80 MHz)
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
China RoHS compliance	Yes
reference designation according to IEC 81346-2 (2009)	Q
Ambient conditions	
Ambient temperature during operation	
· · · · · · · · · · · · · · · · · · ·	
• min.	0 °C
	0 °C 55 °C
• max.	
max. Ambient temperature during storage/transportation	55 °C
 max. Ambient temperature during storage/transportation Storage, min. 	55 °C -25 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. 	55 °C -25 °C 70 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. 	55 °C -25 °C 70 °C -25 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. 	55 °C -25 °C 70 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13	55 °C -25 °C 70 °C -25 °C 70 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 1 080 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa 2 000 m
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Operation at 50 °C, max. 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 1 080 hPa
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operations Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations Vibration resistance during operation acc. to IEC 60068- 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operations Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 Vibration resistance during storage acc. to IEC 60068-2-6 	55 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 Vibration resistance during storage acc. to IEC 60068-2-7 Shock resistance during operation acc. to IEC 60068-2-29 Shock resistance during storage acc. to IEC 60068-2-29 	-25 °C 70 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 660 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g 5 8.5 Hz / 3.5 mm, 8.5 500 Hz / 1 g
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 Shock testing Shock resistance during operation acc. to IEC 60068-2-27 Shock resistance during storage acc. to IEC 60068-2-29 Dimensions 	25 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g 5 8.5 Hz / 3.5 mm, 8.5 500 Hz / 1 g 15 g / 11 ms / 3 shocks/axis 25 g / 6 ms / 1 000 shocks/axis
 max. Ambient temperature during storage/transportation Storage, min. Storage, max. Transportation, min. Transportation, max. Air pressure acc. to IEC 60068-2-13 Operation, min. Operation, max. Storage, min. Storage, max. Altitude during operation relating to sea level Installation altitude above sea level, max. Relative humidity Operation at 25 °C, max. Operation at 50 °C, max. Vibrations Vibration resistance during operation acc. to IEC 60068-2-6 Vibration resistance during storage acc. to IEC 60068-2-7 Shock resistance during operation acc. to IEC 60068-2-29 Shock resistance during storage acc. to IEC 60068-2-29 	-25 °C 70 °C -25 °C 70 °C -25 °C 70 °C 860 hPa 1 080 hPa 1 080 hPa 1 080 hPa 2 000 m 95 % 50 %; 95 % at 25 °C, decreasing linearly to 50 % at 50 °C 10 58 Hz / 0.075 mm, 58 150 Hz / 1 g 5 8.5 Hz / 3.5 mm, 8.5 500 Hz / 1 g

Depth	217 mm
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last modified:

9/22/2021