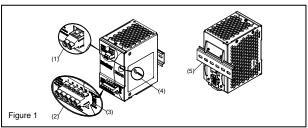
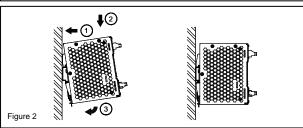
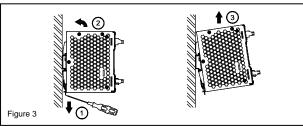


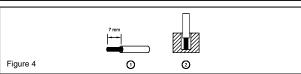
Installation Instructions for PSG480B24RM BUFFER MODULE

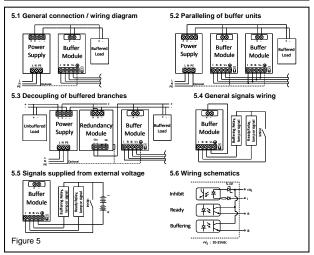
READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE. KEEP FOR FUTURE REFERENCE.

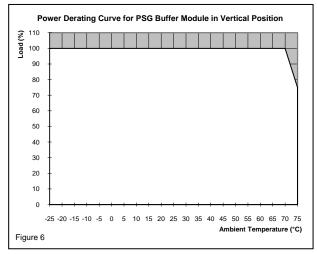












1. Safety instructions

- Switch main power off before connecting or disconnecting the device. Risk of explosion!

 To guarantee sufficient convection cooling, please keep a distance of 50 mm above and below the device as well as a lateral distance of 20 mm to other units.
- Note that the enclosure of the device can become very hot depending on the ambient temperature and load of the power supply. Risk of burns!
- The main power must be turned off before connecting or disconnecting wires to the terminals!
- Do not introduce any objects into the unit!
- Dangerous voltage present for at least 5 minutes after disconnecting all sources of power. The unit is a built-in unit and must be installed in a cabinet or room (condensation free
- environment and indoor location) that is relatively free of conductive contaminants. The unit must be installed in an IP54 enclosure or cabinet in the final installation.

- Warning: Explosion Hazard Substitution of components may impair suitability for Class I, Division 2. Warning: Explosion Hazard Do not disconnect equipment or adjust switch unless the power has been switched off or the area is known to be non-hazardous.

CAUTION: "FOR USE IN A CONTROLLED ENVIRONMENT".

- Device description (Fig. 1)
 (1) Input / Output terminal block connector
 - (2) Signal terminal block connector
 - (3) Select switch (operation mode)
 - (4) LED display status
 - (5) Universal mounting rail system

3. Mounting (Fig. 2)

The unit can be mounting on 35 mm DIN rails in accordance with EN 60715. The device should be installed with input / output terminal block on the top.

Each device is delivered ready to install.

Snap on the DIN rail as shown in Fig. 2:

- Tilt the unit slightly upwards and put it onto the DIN rail.
 Push downwards until stopped.

- 3. Press against the bottom front side for locking.4. Shake the unit slightly to ensure that it is secured.

4. Dismounting (Fig. 3)

To uninstall, pull or slide down the latch as shown in Fig. 3. Then, slide the unit in the opposite direction, release the latch and pull out the unit from the rail.

The terminal block connectors allow easy and fast wiring. The terminal block is IP20 compliant thus provides the user safety and protection from electrical shock hazards. You can use flexible (stranded wire) or solid cables with cross sections:

Table	Stranded / Solid		Torque	
Table	(mm²)	(AWG)	(Kgf-cm)	(lb in)
(1)	3.3-5.3	12-10	7.3	6.3
(2)	0.21-5.3	24-10	7.3	6.3

To secure reliable and shock proof connections, the stripping length should be 7 mm (see Fig. 4 (1)). Please ensure that wires are fully inserted into the connecting terminals as shown in Fig. 4 (2). In accordance to EN 60950 / UL 60950, flexible cables require ferrules.

Use appropriate copper cables that are designed to sustain operating temperature of:

1. 60°C, 60°C / 75°C for USA

2. At least 90°C for Canada.

- Typical application notes (Fig. 5)
 General connection / wiring diagram

 - Paralleling of buffer units
 Decoupling of buffered branches
 - General signals wiring
 - Signals supplied from external voltage
 Wiring schematics



Risk of electrical shock, fire, personal injury or death.

- Turn power off before working on the device.
- Make sure of the wiring is correct by following all local and (2)national codes.
- Do not modify or repair the unit. (3)
- Use caution to prevent any foreign objects from entering into the housing.
- Do not use in wet locations.
- Do not use the unit in area where moisture or condensation can be (6) expected.

7. Connectable power supplies

The buffer module is recommended to be connected with the following power supplies:

- PSG60E24SP
- PSG60E PSG120E
- PSG240F PSG480E

- PSG60E24RM
- PSG120F24RM
- PSG240E24RM PSG480E24RM
- FOR TECHNICAL ASSISTANCE CALL 1 877 ETN CARE



TECHNICAL DATA FOR PSG480B24RM

Input (DC)			
Nominal input voltage	24 VDC		
Voltage range	22.8-28.8 VDC		
Max. input voltage	35 VDC		
Max. signal input (inhibit)	35 V / 10 mA		
Input current	Charging Mode: < 0.6 A		
	Discharging Mode: 20 A Max.		
Inrush current max. (cold start)	< 20 A		
Buffer time	> 250 ms Min. @ 20A Load		
	> 5 sec Min. @ 1A Load		
Output (DC)	, o ood mining in Education		
Nominal output voltage	24 VDC typ. (depends on V _{in})		
Adjustment range of the voltage	22-28 VDC		
Adjustifier range of the voltage	(Switch = "Fix 22 V" buffering starts if terminal voltage falls below 22 V)		
	(Factory Setting, Switch = "V _{in} -1 V" buffering starts if terminal voltage is decreased		
	by > 1 V)		
Max. output voltage	35 VDC		
Output current	20 A Max.		
Connection in parallel	Yes		
Connection in parallel Connection in series	No		
	> 70°C (5% / °C)		
Derating Component derating	V _{in} = 22.8-28.8 VDC, Max. Load		
Component defaulty	v _{in} = 22.0-20.0 VDC, IVIAX. LUAU - T _{ambient} = 50°C		
	- $T_{\text{ambient}} = 50^{\circ}\text{C}$ - $T_{\text{i}} < 85\%$ of T_{imax}		
Residual ripple (20MHz) (at nominal values)	< 200 mVpp (Buffering mode at V _{in} nom, I _n max.)		
Max. signal output	35 V / 10 mA		
Protective device	TVS for signals		
Short circuit	No damage		
	ino daliayo		
General Data			
Type of housing	Aluminum		
Signals	Green LED Off = Unit is discharged or Vin < 22 VDC		
	Green LED On = Unit is fully charged		
	Green LED Flashes Slowly (1Hz) = Unit is charging		
MTDE	Green LED Flashes Quickly (10Hz) = Unit is discharging		
MTBF	> 800,000 hrs. @ Standby mode (buffer module in ready state)		
Dimensions (L x W x H)	121 mm x 70 mm x 120.1 mm		
Weight	0.76 kg		
Connection method	Screw connection		
Stripping length	7 mm		
Stripping length Operating temperature (surrounding air temperature)	7 mm -25°C to +75°C (Refer to Fig. 6)		
Stripping length Operating temperature (surrounding air temperature) Storage temperature	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH		
Stripping length Operating temperature (surrounding air temperature) Storage temperature	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating)	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions)	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating)	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950)		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01,		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468)		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I,		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)]		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024		
Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, T _a = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011 EN 61000-3-2		
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Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial Limitation of mains harmonic currents	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) CULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) CCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011 EN 61000-3-2		
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Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial Limitation of mains harmonic currents RoHS Compliant Safety and Protection	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) CULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) CCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011 EN 61000-3-2		
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Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial Limitation of mains harmonic currents ROHS Compliant Safety and Protection Isolation voltage: Input & Output / PE	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cUltus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011 EN 61000-3-2		
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Stripping length Operating temperature (surrounding air temperature) Storage temperature Humidity at +25°C, no condensation Vibration (non-operating) Shock (in all directions) Altitude (operating) Pollution degree Certification and Standards Electrical equipments of machines Electronic equipment for use in electrical power installations Safety entry low voltage Industrial control equipment Hazardous location Protection against electric shock CE Component Power Supply for general use ITE Industrial Limitation of mains harmonic currents ROHS Compliant Safety and Protection Isolation voltage: Input & Output / PE Signal / PE Polarity protection	7 mm -25°C to +75°C (Refer to Fig. 6) -25°C to +85°C < 95% RH 10 to 500 Hz, 0.35 mm acc. 30 m/s², single amplitude (3 G max.) for 60 min. in each X, Y & Z directions, in acc. with IEC 68-2-6 30 G (300 m/s²) in all directions according to IEC 68-2-27 2,500 Meters 2 IEC 60204-1 EN 50178 / IEC 62103 PELV (EN 60204), SELV (EN 60950) cULus listed to UL 508 and CSA C22.2 No.107.1-01, CSA to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.107.1-01 (File No. 250468) cCSAus to CSA C22.2 No.213-M1987, ANSI / ISA 12.12.01:2007 [Class I, Division 2, Group A,B,C,D T4, Ta = -25°C to +75°C (> +70°C derating)] DIN 57100-410 In conformance with EMC directive 2004/108/EC and low voltage directive 2006/95/EC EN 61204-3 EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024 EN 55011 EN 61000-3-2 Yes 1.5 kVAC 1.5 kVAC Yes		
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