CHENZHU **Manual**

Surge Protective Device

T range signal SPD

5 WARRANTY

⚠ Caution

- Please check if SPDs' type and specification on the packages and the labels are consistent with the contract.
- Read this manual carefully before installation. Contact us if there is any question.
- Disassembling or repairing SPD is not allowed or it will cause malfunction.

Installation

SPD must be reliable grounding when it is used. SPD is mounted by DIN35mm rail. It is recommended to use copper or steel rail. SPD installation procedure is as shown in figure 1.

1. Make the upside of SPD's bottom locked into the rail.
2. Push the downside of SPD's bottom into the rail.

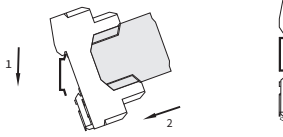


figure 1 Installation

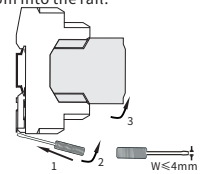


figure 2 Disassembly

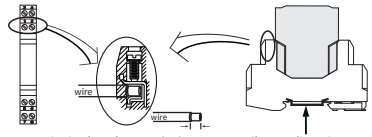
Disassembly

Procedure of disassembly SPD are shown in the figure 2.

1. Insert a screwdriver (with an edge length≤ 4mm)into the downside metal lock of SPD.
2. Push the screwdriver downwards as shown in figure 2 and then rise up the bottom of SPD' s metal buckle.
3. Take SPD out of the rail.

Connections

M2.5 screws are used for SPD connection, which can connect copper wires with a cross-sectional area of 0.2 ～ 2.5mm² (multi-core cable) or 0.2 ～ 4mm² (single-core cable); the wire stripping length is 5 ～ 8mm.



Stripping length: 5mm≤L≤8mm

rail grounding wire: 4.0~6.0mm²

Safety Certification

Certification body	Standards	Certification No.	Ex mark
SIRA	IEC 60079-0:2017 Ed. 7 IEC 60079-11:2011 Ed. 6	IECEX SIR 20.0018X	Ex ia IIC T6...T4 Ga
SIRA	EN IEC 60079-0:2018 EN 60079-11:2012	Sira 20ATEX 2010X	Ⓔx II 1 G Ex ia IIC T6...T4 Ga
NEPSI	GB/T 3836.1-2021 GB/T 3836.4-2021	2020322304000410	Ex ia IIC T6...T4 Ga

IECEX/ATEX EX parameters

Input terminals: (5,7) or (6,8) or (5,7,8) or (6,7,8)

Type	Ui	Ii	Pi	Ci	Li	T-code &ambient temperature
T-5-EX-L□	6V	500mA	5.32W	0	0	T4:-40℃~+80℃ T5:-40℃~+75℃ T6:-40℃~+50℃
T-24-EX-L□	30V	500mA	5.32W	0	0	
Uo≤Ui, Io≤Ii, Po≤Pi						
Co, Lo are equal to the parameters of the device connected to the field terminals						

The explosion-proof parameters of GYB19.1460X see the explosion-proof certificate.

Under certain extreme circumstances, exposed plastic and unearthed metal parts of the enclosure may store an ignition-capable level of electrostatic charge. Therefore, the user/installer shall implement precautions to prevent the build-up of electrostatic charge, e.g. locate the equipment where a charge-generating mechanism (such as wind-blown dust) is unlikely to be present and clean with a damp cloth.

1. The T-Ex series Surge Protective Devices are not capable of passing a 500Vr.m.s a.c electric strength test in accordance with clause 6.3.13 of IEC60079-11 between its intrinsically safe circuits and its grounding buckle. This shall be taken into account when the equipment is being installed.
2. The product must be matched with related equipment to form an intrinsically safe explosion-proof system before it can be used in hazardous locations where explosive gas mixtures exist on site. The system wiring must also comply with the requirements of the operating instructions of the surge protector and the associated equipment. The terminal cannot be Wrong connection.
3. The user shall not replace the parts of the product, and shall work with the manufacturer to solve the faults to prevent the occurrence of damage.
4. The installation, use and maintenance of the product should also comply with the product manual, GB3836.13-2013 "Explosive environment Part 13: Repair, overhaul, repair and modification of equipment", GB/T3836.15-2017 "Explosive environment No. 15 Part: Design, selection and installation of electrical devices", GB/T3836.16-2017 "Explosive environment Part 16: Inspection and maintenance of electrical devices", GB/T3836.18-2017 "Explosive environment Part 18: Essence Relevant provisions of "Safety Electrical System" GB50257-2014 "Code for Construction and Acceptance of Electrical Installations in Explosion and Fire Hazardous Environments for Electrical Installation Engineering".

Maintenance

1. Check if the connections are correct and tight before powering on SPD.
2. SPD' s quality is well controlled and strictly inspected before delivery. If non-functional ones are found during operation, please contact us early enough.

Environmental Declaration

Name and content of harmful substances

Part Name	Harmful Substance					
	Pb	Hg	Cd	Cr6+	PBB	PBDE
Housing and terminals	×	○	○	○	○	○
Circuit board	×	○	○	○	○	○

This form is prepared in accordance with the provisions of SJ / T11364.

○: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requiremnet of GB / T 26572.

×: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requiremnet of GB / T 26572 and there is currently no mature alternative method in the industry. The concentration of hazardous substances is within the RoHS directive exemption clauses range, which meets the eco-friendly requirements of the EU RoHS directive.

: Indicates that the product contains certain toxic and harmful substances, and it can be used within the eco-friendly period, and should enter the recycling system after the environmental protection period is exceeded.

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