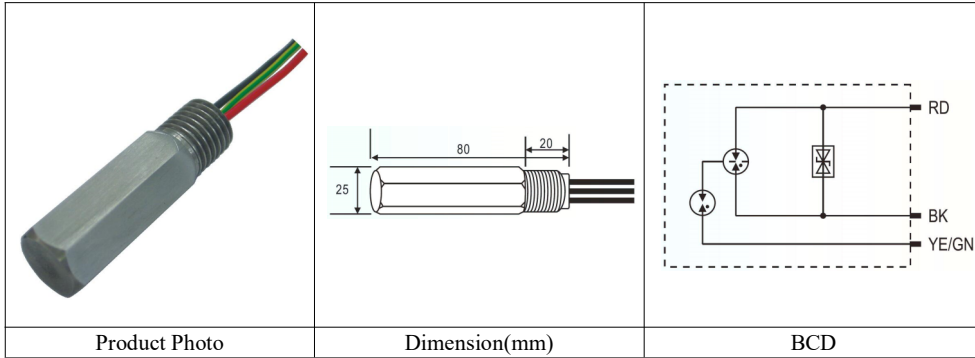# ■ TSTLP® /TS-EX24 Surge Arrester for Hazardous Areas Technology System

❖ Installed at LPZ O_B-2 or higher inside the control equipment, the built-in cable connected with the control equipment's wiring terminal. Applied in intrinsically safe circuit in hazardous areas and 4-20mA measuring control system and bus system.

Product Photo	Dimension(mm)	BCD

❖ TECHNICAL DATA

Model Number		TS-EX24
Normal Voltage	U_n	24V-
Rated voltage (max. continuous voltage)	U_c	32V- 22.6V ~
Lightning impulse current (10/350)	I_{imp}	1.5kA
Normal current	I_L	0.55A
Nominal discharge current (8/20)	In	10kA (per line); 10kA(total)
Voltage protection level at In	U_p	≤ 58V (line/line); ≤ 1700V (line/PG)
Voltage protection level at 1kV/μs	U_p	≤ 50V (line/line); ≤ 1200V (line/PG)
Bandwidth	f_G	67MHz
Capacitance	C	≤ 25pF (line/line); ≤ 15pF (line/PG)
Operating temperature range		-40 ^{0}C ~ +80 ^{0}C
Mounting in		M20 x 1.5 screws
Connection (input / output)		1.3 mm x 250mm length of the connecting lead
Earthing via		Connecting lead
Enclosure material		Stainless steel case
Compliance		IEC-61643-21, GB18802.21, YD/T 1542

❖ MAIN CHARACTER
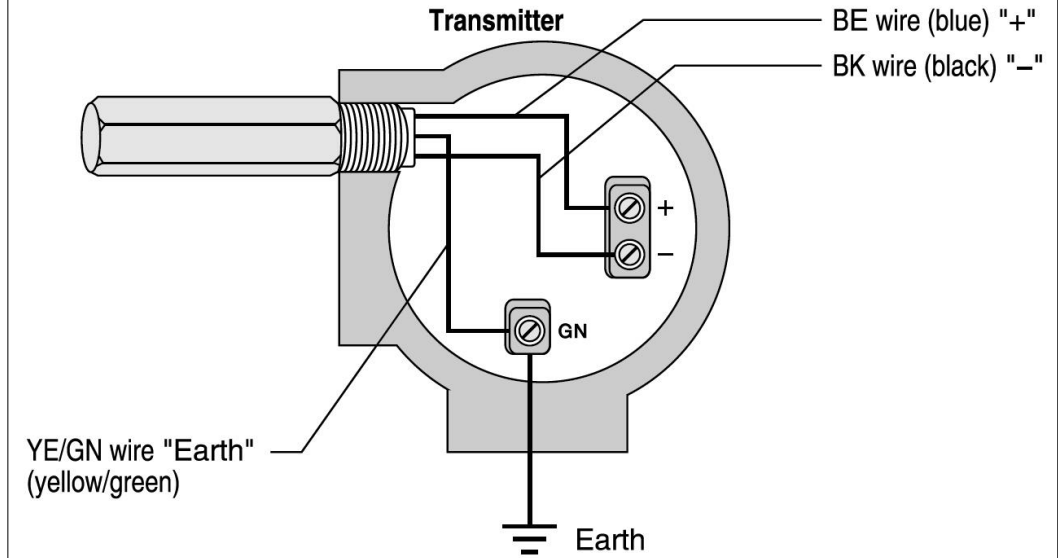
✓ Small & easy replacement.

✓ Easy to install inside the control equipment.

✓ Stainless steel housing, fireproof & explosion-proof outdoor use.

Installation Instruction

1. Screwing into the wiring port of the control equipment directly
2. Blue wire connecteed with signal port "+", Black Wire connected with signal port "-"
3. Yellow / Green wire connect with grounding port "GN" of grounding system.
4. After installation, check if commuication is be operating normally.

Regularly inspect the operating status, especially after lightning. Once the communication is off, electrician should check/replace the SPD.

INSTALLATION DIAGRAM

WARNING:

1. **The device must be installed by electrically skilled person, conforming to national standards and safety regulations.**

It is recommended that installation should be done under power off condition.