

- *2 Overvoltage category II: Describes a number which defines a transient overvoltage condition. Implies the regulation for impulse withstand voltage.
"II" applies to electrical equipment which is supplied from the fixed installation like a distribution board.
- *3 Pollution degree 2: Describes the degree to which a solid, liquid, or gas which deteriorates dielectric strength or surface resistivity is adhering.
"2" applies to normal indoor atmosphere. Normally, only non-conductive pollution occurs.

However, if optional code /C0 or /FB is specified, the conformity to the safety and EMC standards is excluded.

■ Environment Standard

EU RoHS directive: EN IEC 63000

(However, when option code /C0 or /FB is specified, CE marking is not applicable because the product does not comply with the Safety and EMC standards.)

■ Power Supply and Isolation

Power supply rated voltage:
100-240 V AC/DC \approx 50/60 Hz or
15-30 V DC \dots

Power supply input voltage:
100-240 V AC/DC \approx (-15, +10%) 50/60 Hz
or 15-30 V DC \dots (\pm 20%)

Power consumption:
2.2 W at 24 V DC ; 2.3 W at 110 V DC;
3.8 VA at 100 V AC; 4.7 VA at 200 V AC

Insulation resistance:
100 M Ω minimum at 500 V DC between
channel 1, channel 2, power supply and
grounding terminals mutually

Withstand voltage:
2000 V AC for one minute between
(channel 1 and channel 2), power supply
and grounding terminals mutually;
1000 V AC for one minute between
channel 1 and channel 2

■ Environmental Conditions

Temperature: -10 to 55°C (45°C or less for side-by-side close installation*)

- * If the previous model (style S3.xx earlier) is installed together, the ambient temperature is 0 to 40°C.

Humidity: 5 to 90% RH (no condensation)

Ambient Condition: Avoid installation in such environments as corrosive gas like sulfide hydrogen, dust, sea breeze and direct sunlight.

Magnetic field: 400 A/m or less.

Continuous vibration (at 5 to 9 Hz) Half amplitude of 3 mm or less (at 9 to 150 Hz) 4.9 m/s² or less, 1 oct/min for 90 minutes each in the 3-axis directions.

Impact: 98 m/s² or less, 11 msec, 3-axis 3 times each in 6 directions.

Altitude: 2000 m or less.

Installation location: Indoors

Warm-up time: At least 30 minutes after power on.

■ Transport and Storage Conditions

Ambient temperature: -25 to 70°C

Temperature change rate: 20°C per hour or less

Ambient humidity: 5 to 95%RH (no condensation)

■ Mounting and Appearance

Construction: Compact plug-in type

Material: Modified polyphenylene oxide (casing)

Mounting method: Wall, DIN rail or dedicated VJ mounting base (VJCE) mounting

Connection method: M3 screw terminals

External dimensions:

76 (H) \times 29.5 (W) \times 124.5 (D) mm
(including a socket)

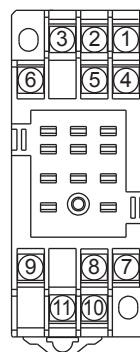
Weight: Main unit: 100 g or less

Socket: 50 g or less

■ Accessories

Tag number label: 1 sheet

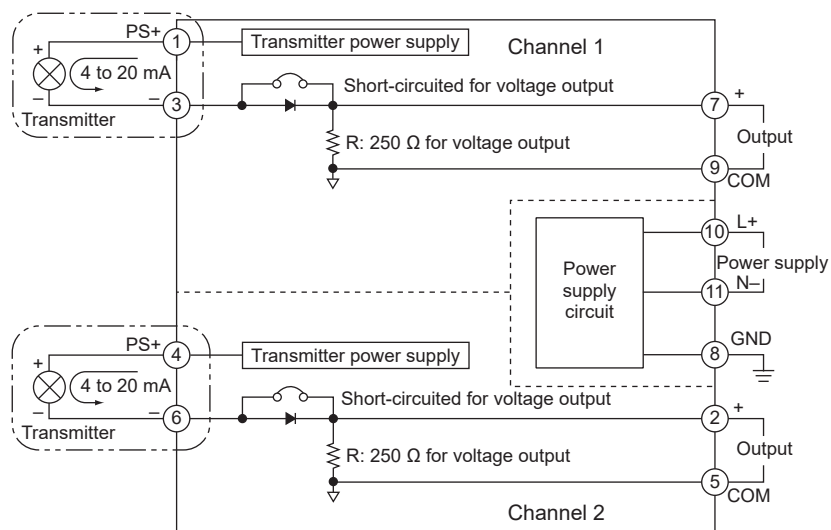
■ Terminal Arrangement



1	Input (PS+) for channel 1
2	Output (+) for channel 2
3	Input (-) for channel 1
4	Input (PS+) for channel 2
5	COM for channel 2
6	Input (-) for channel 2
7	Output (+) for channel 1
8	GND
9	COM for channel 1
10	Supply (L+)
11	Supply (N-)

Do not use channel 2 for the 1-channel type.

■ Block Diagram



■ External Dimensions

