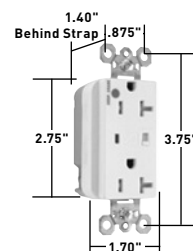# TECHNICAL SPECIFICATIONS

Extra Heavy-Duty Tamper-Resistant Hospital Grade Surge Protective Receptacles

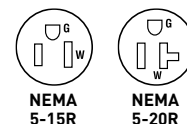2 Pole, 3 Wire Grounding, 15 & 20A, 125VAC

Typical Specifications

Manufacturer's Identification: Pass & Seymour® TR8200ISP
3rd Party Compliance: UL Listed, File Number E140596, Standard UL498, Attachment Plugs and Receptacles UL1449 Transient Voltage Surge Suppressor. Federal Specification WC596. CSA Certified, File Number LR16063, Standard CSA-C22.2 No. 42, ANSI/EEE C62.41 (Formerly IEEE 587), ANSI/IEEE C62.45 Installation Categories "A" (Ring Wave) "B" (Unidirectional Impulse). Complies with NEC 410-56(c) and 250-74 exception 4. Conforms to NEMA WD-1 and WD-6.

CATALOG NUMBER	COLOR	RATING	NEMA CONFIG. NO.	CATALOG NUMBER	COLOR	RATING	NEMA CONFIG. NO.
❒ TR8200WSP	White	15A 125VAC	5-15R	❒ TR8300ISP	Ivory	20A 125VAC	5-20R
❒ TR8200SP	Brown	15A 125VAC	5-15R	❒ TR8300WSP	White	20A 125VAC	5-20R
❒ TR8200REDSP	Red	15A 125VAC	5-15R	❒ TR8300REDSP	Red	20A 125VAC	5-20R
❒ TR8200LASP	Lt. Almond	15A 125VAC	5-15R	❒ TR8300BLSP	Blue	20A 125VAC	5-20R

1.40" Behind Strap .875"
2.75"   **3.75"**
1.70"

TR8300WSP

NEMA 5-15R   **NEMA 5-20R**

Features

- LED Indication:
  - Steady green = protected
  - Flashing red = not protected
  - OFF = no power to unit
- Alarm
- Alarm shutoff/override
- Brass 1-piece ground terminal assembly
- Back and side wire capability including ground terminal

Performance

Electrical

Frequency:	60 Hz
Voltage:	125VAC
MOV Rating:	130V 17mm Dual Pack
Suppressed Voltage:	500V
Energy Rating:	340 Joules
Max Surge Capability:	24kA
Protection Modes:	Normal and Common Modes: Normal Mode (L–N) 500V Clamping; Common Mode (L-G) 500V Clamping, (N-G) 500V Clamping
Noise Attenuation:	Normal Mode (L-N) Capacitance Value = 0.0056 µF 7:1 Average Noise Reduction
Thermal Protection:	Three Thermal Fuses (128°C or 262°F)
Overcurrent Protection	Three Fuses Protects 3 Modes
Operating Temperature:	-20°C to 55°C (-4 to 131°F)
Storage Temperature:	-40°C to 85°C (-40 to 185°F)

Mechanical

Terminal Identification:	Brass = Hot, Nickel = Neutral, Green = Ground
Terminal Accommodation:	#14 – 10 AWG copper conductor only
Product Identification:	Ratings are a permanent part of device
Weight:	125 grams

Environmental

Flammability:	UL94 V2

Materials

Face:	Nylon
Body:	Nylon
Line Terminal:	Olin #260 EH, 0.8mm thick
Grounding Terminal: (Uni-Ground Assembly)	70/30 Brass, 0.4mm thick
Mounting Strap:	Super Dyma Cold-Rolled Steel, 1.2mm thick
Clamping Plate :	Cold-Rolled Steel, 1.6mm
Warranty:	1 year

Terminal Screws: Hex Head	Tri-Drive Brass #8 - 32
Grounding Screw:	Tri-Drive Steel (Green)
Auto-Ground Clip:	Stainless Steel
Mounting Screws:	Tri-Drive Zinc-Plated Steel
LED:	Green/Red
Encapsulation:	Conformal Coating
Tamper Shutter:	Thermoplastic

Conforms to the latest revision ANSI/IEEE C62.41 (formerly IEEE587), ANSI/IEEE C62.45.

Project
Location/Type