

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

The Power Tee is a through-wired component that makes it possible to select which branch circuit conductor feeds a specific device. The PT also provides power to devices used on convenience power, access floor systems and commercial lighting.

ELECTRICAL

- Rated for use on 20-amp branch circuits.
- All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated 600V.
- All components provide a fully rated No. 12 AWG grounding conductor.
- C12S option includes three 12 AWG conductors and 18 AWG shielded pair for controls wiring.
- Safety-keying prevents accidental mating of components with different voltages.
- Accommodates up to three hot conductors plus neutral and ground feed-through of branch circuits in a single component.

SYSTEM FEATURES

- Pin and socket contacts.
- Color-coded labels for quick voltage identification.
- Prestripped solid-copper leads for easy installation into side, back or push-in-type terminals.
- Male/female design allows removal of a device without additional components.
- Green armor standard for easy identification in healthcare facilities.
- Auto-latching springs prevent accidental disengagement.
- Installs through standard 1/2" trade-size knockout.
- Plenum rated.

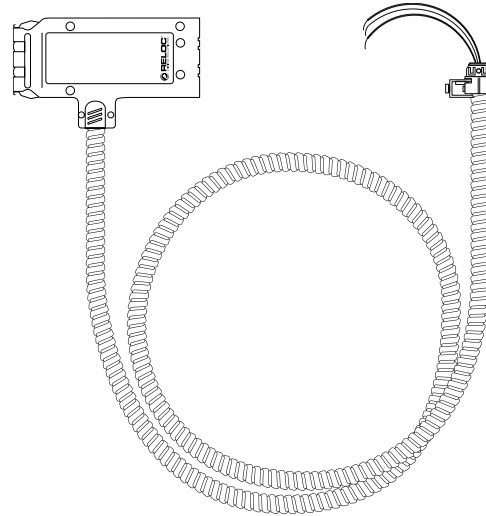
LISTINGS

- UL Listed. CSA certified. Listed for indoor, dry, and accessible locations.
- Meets or exceed all the requirements of UL183 and NEC (NFPA70) Article 604 for manufactured wiring systems.
- Controls wiring option C12S is UL Listed only.
- C12S option meets NEC requirements for separation of Class 2 and Class 3 circuits from Class 1 circuits by a barrier as defined by Article 725.136(B).
- Meets NEC requirements for redundant ground paths for patient care areas in healthcare facilities (HCF option).
- Patents pending.

820 Power Tee

LIGHTING AND POWER SYSTEM

PT



WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

CONTROLS-ENABLED WIRING OPTIONS

- 0-24V integrated single-circuit or 0-10V low voltage controls applications: select C12S.

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING LOGIC

Example: PT 120 F1 A 05 IGW

For shortest lead times, configure product using **bolded options**.

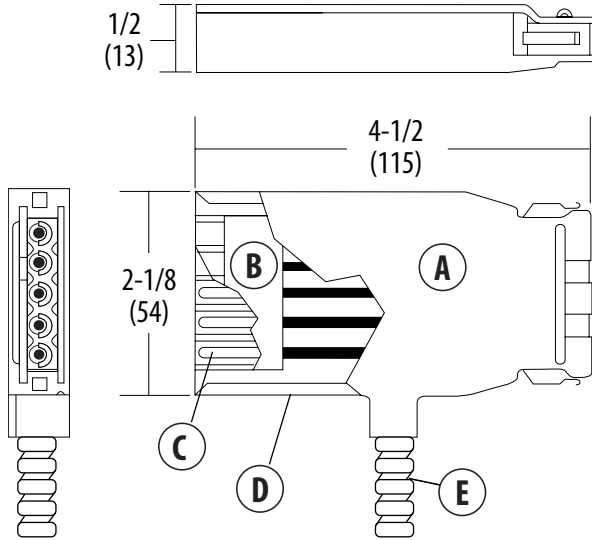
PT				A								
Series	Voltage		Conductors		Tap Position		Type of Drop	Length	Controls Wiring		Options	
PT	120	120V	D	Three	1	Tap from position one	A Armored	01	1 ft.	(blank) Not required C12S Integrated CI, CII rated line voltage and signal wires ¹	2N	Two neutrals ²
	208	208V	F	Five	2	Tap from position two		03	3 ft.		HCF	Meets healthcare facility requirements ³
	240	240V			3	Tap from position three		05	5 ft.		IGW	Isolated ground ⁴
	277	277V			12	Tap from position one and two		07	7 ft.			
	347	347V			13	Tap from position one and three		09	9 ft.			
	480	480V			123	Tap from position one, two and three		11	11 ft.			
							13	13 ft.				
								15	15 ft.			

NOTES

1. Option C12S available with conductor D and tap position 1 only.
2. 2N option available with 120V, 277V, 347V and tap positions 2 and 12.
3. HCF option available with tap position 123 only.
4. IGW available only with F conductor and 120V.

DIMENSIONS

Dimensions are shown in inches (millimeters)



- A** – Die-cast zinc with zinc-plated, cold-rolled steel cover
- B** – UL-recognized connector body
- C** – Tin-plated, brass contacts
- D** – No. 12 AWG wire with 600V, 90°C thermoplastic insulation
- E** – FMC standard and HCF MC optional

Wire Color & Position for C12S Option		
Pin Position	Pin Function	Wire Color/Voltage
1	Data 2, Common (–)	Pink (or Gray)
2	Data 1, Positive (+)	Purple
3	Ground	Bare
4	Neutral	White/120V Gray/277V
5	Hot	Black/120V Brown/277V

Standard Pin Position / Wire Color		
Position	120V/347V	277V
2	Red	Brown
1	Black	Yellow
G	Green	Green
N	White	White
3	Blue	Orange

Isolated Ground Wire Pin Position / Wire Color	
Position	120V
2	Red
1	Black
G	Green
N	White
IGW	Green/Yellow

2 Neutral Pin Position / Wire Color		
Position	120V/347V	277V
2	Red	Brown
1	Black	Yellow
G	Green	Green
N	White	White
2N	Gray	Gray

Special Industrial Voltages Pin Position / Wire Color	
Position	208/240V/480V
2	Red
1	Black
G	Green
4	Brown
3	Blue

SYSTEM VIEW

System View designs are for illustrative purposes only.

