



**LE RÉSEAU DE CRÉATION
ET D'ACCOMPAGNEMENT PÉDAGOGIQUES**

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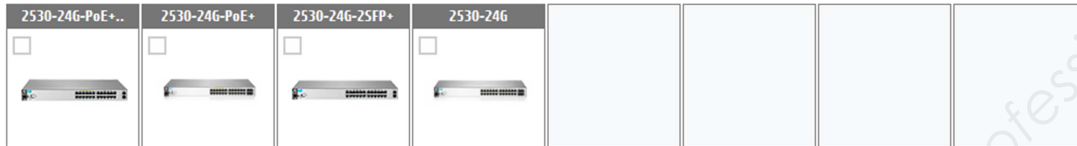
Switch type Fixed port Modular ✕ Clear all

Port count 5 8-10 16-20 24-28 48-52 More than 52

Management	Routing/Switching	Predominant Port Type	Uplink Speed / Media	Features
<input checked="" type="radio"/> Fully managed <input type="radio"/> Smart managed <input type="radio"/> Unmanaged	<input type="radio"/> Layer 3 Advanced <input type="radio"/> Layer 3 Dynamic <input type="radio"/> Layer 3 Lite <input checked="" type="radio"/> Layer 2 only	<input type="radio"/> 40 GbE <input type="radio"/> 10 GbE <input type="radio"/> 1 GbE Gigabit Fiber <input checked="" type="radio"/> 1 GbE Gigabit Copper <input type="radio"/> 100 Mb Fast Ethernet <input type="radio"/> All (Chassis)	<input type="checkbox"/> 100 GbE <input type="checkbox"/> 40 GbE <input type="checkbox"/> 10 GbE Fiber <input type="checkbox"/> 10 GbE Copper BaseT <input type="checkbox"/> 10 GbE Copper DAC <input type="checkbox"/> 1 GbE Gigabit Copper <input type="checkbox"/> 1 GbE Gigabit Fiber <input type="checkbox"/> 100 Mb Fiber	<input type="checkbox"/> PoE <input type="checkbox"/> PoE+ <input type="checkbox"/> Fanless <input type="checkbox"/> IPv6 Host / Management <input type="checkbox"/> IPv6 Routing <input type="checkbox"/> OpenFlow (SDN) <input type="checkbox"/> Unified Wired-WLAN <input type="checkbox"/> Redundant Power <input type="checkbox"/> Redundant Fabric <input type="checkbox"/> Replaceable Fans <input type="checkbox"/> Stacking <input type="checkbox"/> Fiber Channel over Ethernet (FCoE) <input type="checkbox"/> Ultra Deep Packet Buffers

4 product(s) found. Please select up to 4 products for comparison

Compare selected



Choix 1 : 2530-24G-PoE

Switch type Fixed port Modular ✕ Clear all

Port count 5 8-10 16-20 24-28 48-52 More than 52

Management	Routing/Switching	Predominant Port Type	Uplink Speed / Media	Features
<input type="radio"/> Fully managed <input checked="" type="radio"/> Smart managed <input type="radio"/> Unmanaged	<input type="radio"/> Layer 3 Advanced <input type="radio"/> Layer 3 Dynamic <input type="radio"/> Layer 3 Lite <input checked="" type="radio"/> Layer 2 only	<input type="radio"/> 40 GbE <input type="radio"/> 10 GbE <input type="radio"/> 1 GbE Gigabit Fiber <input type="radio"/> 1 GbE Gigabit Copper <input checked="" type="radio"/> 100 Mb Fast Ethernet <input type="radio"/> All (Chassis)	<input type="checkbox"/> 100 GbE <input type="checkbox"/> 40 GbE <input type="checkbox"/> 10 GbE Fiber <input type="checkbox"/> 10 GbE Copper BaseT <input type="checkbox"/> 10 GbE Copper DAC <input type="checkbox"/> 1 GbE Gigabit Copper <input type="checkbox"/> 1 GbE Gigabit Fiber <input type="checkbox"/> 100 Mb Fiber	<input type="checkbox"/> PoE <input type="checkbox"/> PoE+ <input type="checkbox"/> Fanless <input type="checkbox"/> IPv6 Host / Management <input type="checkbox"/> IPv6 Routing <input type="checkbox"/> OpenFlow (SDN) <input type="checkbox"/> Unified Wired-WLAN <input type="checkbox"/> Redundant Power <input type="checkbox"/> Redundant Fabric <input type="checkbox"/> Replaceable Fans <input type="checkbox"/> Stacking <input type="checkbox"/> Fiber Channel over Ethernet (FCoE) <input type="checkbox"/> Ultra Deep Packet Buffers

1 product(s) found. Please select up to 4 products for comparison

Compare selected



Choix 2 : 1810-24 (v2)

Switch type Fixed port Modular ✕ Clear all

Port count 5 8-10 16-20 24-28 48-52 More than 52

Management	Routing/Switching	Predominant Port Type	Uplink Speed / Media	Features
<input type="radio"/> Fully managed <input type="radio"/> Smart managed <input checked="" type="radio"/> Unmanaged	<input type="radio"/> Layer 3 Advanced <input type="radio"/> Layer 3 Dynamic <input type="radio"/> Layer 3 Lite <input checked="" type="radio"/> Layer 2 only	<input type="radio"/> 40 GbE <input type="radio"/> 10 GbE <input type="radio"/> 1 GbE Gigabit Fiber <input type="radio"/> 1 GbE Gigabit Copper <input checked="" type="radio"/> 100 Mb Fast Ethernet <input type="radio"/> All (Chassis)	<input type="checkbox"/> 100 GbE <input type="checkbox"/> 40 GbE <input type="checkbox"/> 10 GbE Fiber <input type="checkbox"/> 10 GbE Copper BaseT <input type="checkbox"/> 10 GbE Copper DAC <input type="checkbox"/> 1 GbE Gigabit Copper <input type="checkbox"/> 1 GbE Gigabit Fiber <input type="checkbox"/> 100 Mb Fiber	<input type="checkbox"/> PoE <input type="checkbox"/> PoE+ <input type="checkbox"/> Fanless <input type="checkbox"/> IPv6 Host / Management <input type="checkbox"/> IPv6 Routing <input type="checkbox"/> OpenFlow (SDN) <input type="checkbox"/> Unified Wired-WLAN <input type="checkbox"/> Redundant Power <input type="checkbox"/> Redundant Fabric <input type="checkbox"/> Replaceable Fans <input type="checkbox"/> Stacking <input type="checkbox"/> Fiber Channel over Ethernet (FCoE) <input type="checkbox"/> Ultra Deep Packet Buffers

2 product(s) found. Please select up to 4 products for comparison

Compare selected



Choix 3 : 1410-08

2530-24G-PoE+-2SFP+ (J9854A) 26 Port Switch



[Product Details](#)
[Product Support](#)

HP 2530 Series Gigabit Ethernet devices are enterprise-class, fully managed, Layer 2 edge switches delivering cost-effective, reliable, and secure connectivity for business networks. Designed for entry-level to midsize enterprise networks, these Gigabit Ethernet switches deliver full Layer 2 capabilities with enhanced access security, traffic prioritization, IPv6 host support, and optional PoE+. The 2530-24G-PoE+-2SFP+ model has 24x 10/100/1000 PoE-enabled ports and two 10-Gigabit SFP+ ports.

- Supports IEEE 802.3at Power over Ethernet with a PoE power budget of 195W.
- Cost-effective fully managed Layer 2 switches.
- ACLs, IPv4/IPv6 host support
- Management features including Command Line Interface, Web interface, and full SNMP v1/v2c/v3 support.
- Lifetime Warranty

Fully Managed Switch
PoE
PoE+
IPv6 Host / Management

Functionality:
Layer 2 Only

Predominant Port Type:
1 GbE Gigabit Copper

Uplink Type:
10 GbE Fiber
10 GbE Copper DAC

Other Features:
None Listed

Choix 1 : 2530-24G-PoE

1810-24 (v2) (J9801A) 26 Port Switch



[Product Details](#)
[Product Support](#)

HP 1810 Switch Series devices are "smart" web-managed, fixed-configuration Gigabit and Fast Ethernet Layer 2 switches designed for small businesses looking for key features in an easy-to-administer solution. The HP 1810-24 v2 Switch comes with 22x 10/100 Fast Ethernet ports and 2x 10/100/1000 Gigabit ports and 2x 100/1000 SFP ports for fiber connectivity. It is fanless, ideal for office deployments. Customizable features include VLANs, Spanning Tree, and link aggregation trunking. Also in this "Version 2" offering are the latest energy-saving capabilities – Energy Efficient Ethernet (EEE) and idle-port power down – as well as Rapid Spanning Tree Protocol (RSTP) and DSCP QoS policies.

- Customized operation using intuitive Web interface
- Flexible connection and deployment options
- Layer 2 operation at wire speeds
- Fanless for quiet operation
- Lifetime warranty

Smart Managed Switch
Fanless

Functionality:
Layer 2 Only

Predominant Port Type:
100 Mb Fast Ethernet

Uplink Type:
1 GbE Gigabit Copper
1 GbE Gigabit Fiber
100 MB Fiber

Other Features:
VLAN Support
Active VLANs (64)
Link Aggregation

Choix 2 : 1810-24 (v2)

1410-08 (J9661A) 8 Port Switch



[Product Details](#)
[Product Support](#)

HP 1410 Series are unmanaged Layer 2 Gigabit and Fast Ethernet switches for plug-and-play connectivity.

- 8x 10/100 ports
- Fanless switch for silent operation
- Lifetime Warranty

Unmanaged Switch
Fanless

Functionality:
Layer 2 Only

Predominant Port Type:
100 Mb Fast Ethernet

Uplink Type:
(None listed)

Other Features:
None Listed

Choix 3 : 1410-08





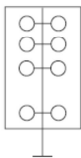
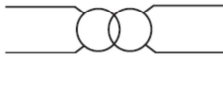
CHAPITRE 4 — CÂBLAGE

Introduction

Ce chapitre explique comment effectuer le câblage du Power Meter.

Les symboles utilisés dans les schémas sont les suivants :

Tableau 4-1 : Symboles des schémas de câblage

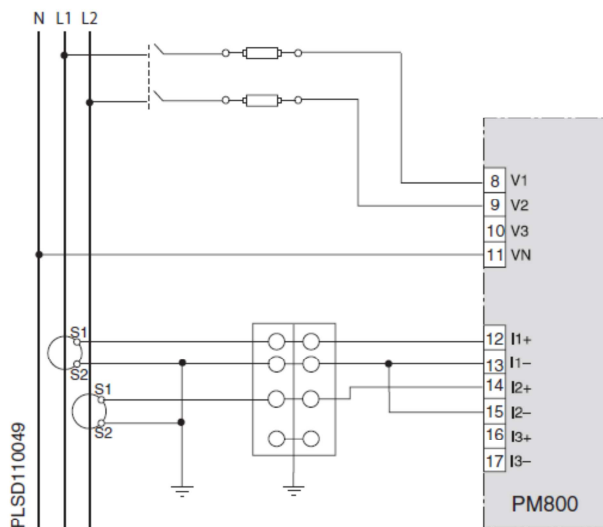
Symbole	Description
	Organe de coupure
	Fusible
	Terre
	Transformateur de courant
	Bloc court-circuiteur
	Transformateur de potentiel Équivalent pour les É.-U.

Raccordement à différents types de réseaux

Tableau 4-2 : Tensions inférieures ou égales à 347 Vca L-N / 600 Vca L-L, raccordement direct sans TP

Raccordement monophasé ou biphasé								
Nombre de fils	TC		Raccordements de tension			Configuration du compteur		Numéro de figure
	Qté	Id.	Qté	Id.	Type	Type de réseau	Échelle primaire TP	
2	1	I1	2	V1, Vn	L-N	10	Sans TP	4-1
2	1	I1	2	V1, V2	L-L	11	Sans TP	4-2
3	2	I1, I2	3	V1, V2, Vn	L-L avec N	12	Sans TP	4-3
Raccordement triphasé*								
3	2	I1, I3	3	V1, V2, V3	Triangle	30	Sans TP	4-4
	3	I1, I2, I3	3	V1, V2, V3	Triangle	31	Sans TP	4-5
4	3	I1, I2, I3	3	V1, V2, V3, Vn	Triangle, 4 fils	40	Sans TP	4-6
	3	I1, I2, I3	3	V1, V2, V3, Vn	Étoile	40	Sans TP	4-6

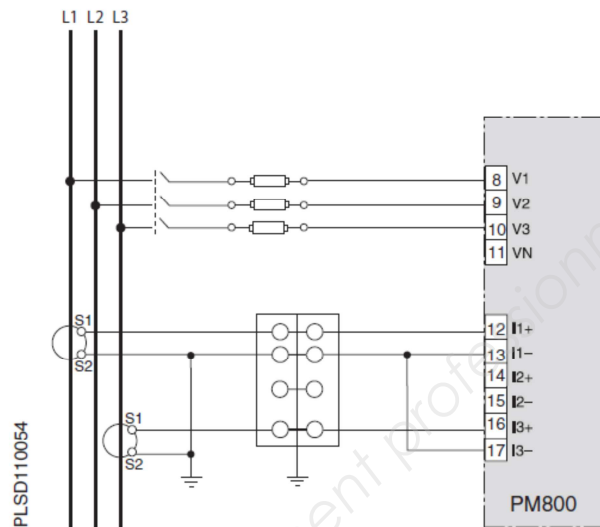
Figure 4-3 : Raccordement en 3 fils, biphasé avec raccordement direct de la tension et 2 TC



REMARQUES :

- Pour éviter toute distorsion, utiliser des câbles parallèles pour l'alimentation et les entrées de tension. Placer les fusibles à proximité de la source d'alimentation.
- Utiliser le type de réseau 12.

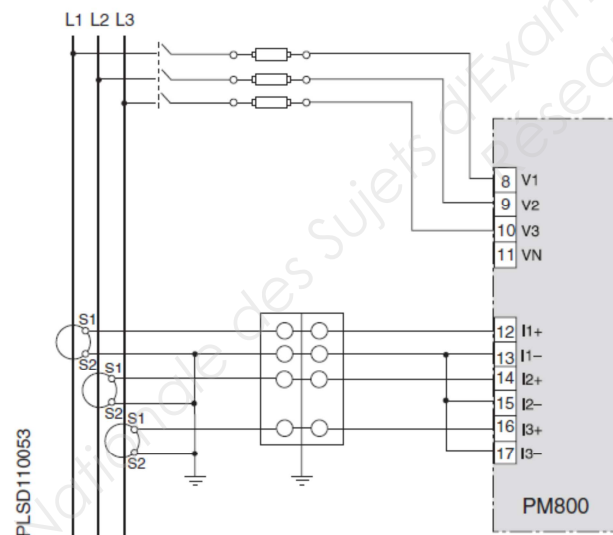
Figure 4-4 : Raccordement triphasé, en 3 fils avec 2 TC sans TP



REMARQUE :

- Utiliser le type de réseau 30.

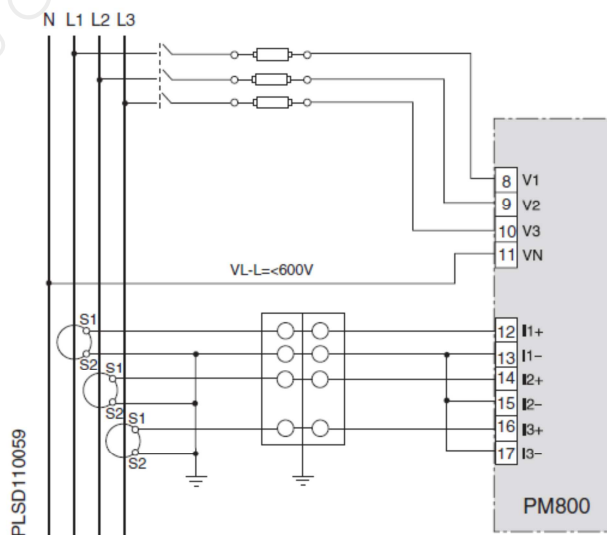
Figure 4-5 : Raccordement triphasé, en 3 fils avec 3 TC sans TP



REMARQUE :

- Utiliser le type de réseau 31.

Figure 4-6 : Raccordement triphasé en étoile en 4 fils, avec raccordement direct de la tension et 3 TC



REMARQUES :

- À utiliser avec les réseaux 480Y/277 V et 208Y/120 V.
- Utiliser le type de réseau 40.

Alimentation de la centrale de mesure

Figure 4-12 : Alimentation par raccordement direct (entre phases)

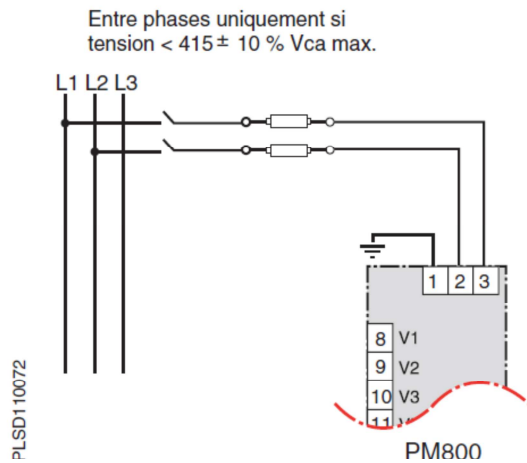
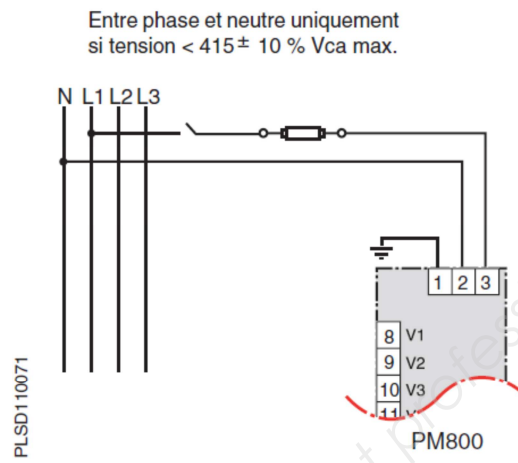
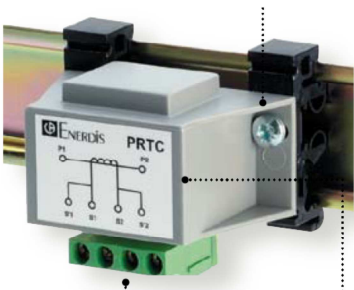


Figure 4-13 : Alimentation par raccordement direct (phase-neutre)



Bloc Court-Circuiteur de transformateur



► Caractéristiques générales

Norme de référence :

NFC 15100 art 411-1)

Connections : bornier double pouvant accepter des câbles de 6 mm².

Montage sur rail DIN (livré avec fixation) ou fond d'armoire par vis de fixation.

Masse : 90 g

Conditions d'utilisation :

Température : -10 °C à +50 °C

Humidité relative : <math> < 95 \%</math>

Protection :

Indice de protection : IP 20

Matériau polyamide auto-extinguible (UL 94VO)

Courant de mesure :

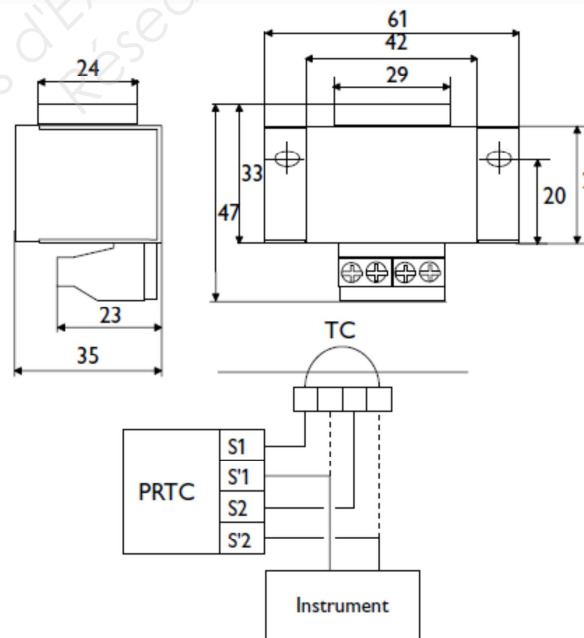
5 A/50 Hz ou 1 A/50 Hz

Courant maximum admissible :

25 Aac

Tension crête de protection :

22 Vac



POUR COMMANDER

Déférence

DBTC 1001

➤ **PROTECTION DES PERSONNES ET DU MATÉRIEL CONTRE LES SURTENSIONS** dues à l'ouverture du secondaire 5 A ou 1 A d'un TC

➤ **COURT-CIRCUITE AUTOMATIQUEMENT** le secondaire du TC auquel il est branché en permanence

➤ Possibilité pour l'utilisateur d'opérer sans interrompre la charge au préalable la charge