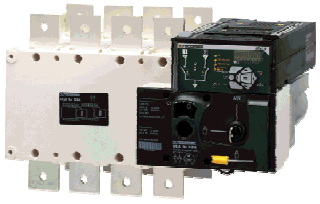
2011

Autotransformer for ATyS range

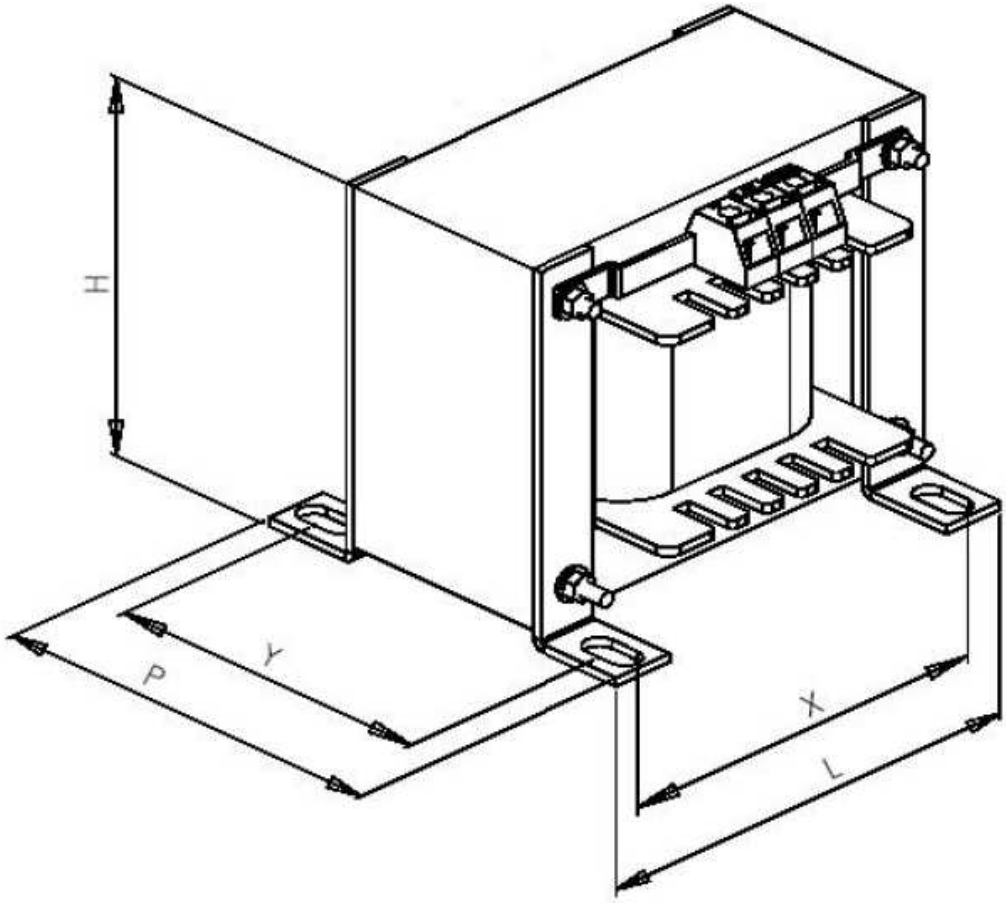
Application : Three-phase without distributed NEUTRAL



SOCOMEC/SCP/TST/CPM

08/01/2011

1. Autotransformer Dimensions :



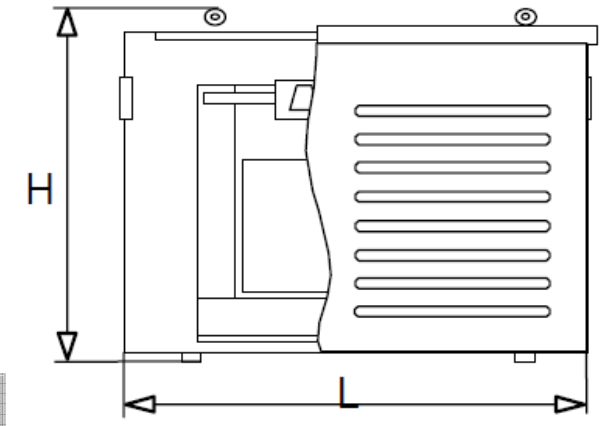
	L	P	H	X	Y	Ø
Autotransformer 400VA - 15994121	96	105	88	80	92	5
Autotransformer 200VA - 15994064	84	95	78	70	75	5

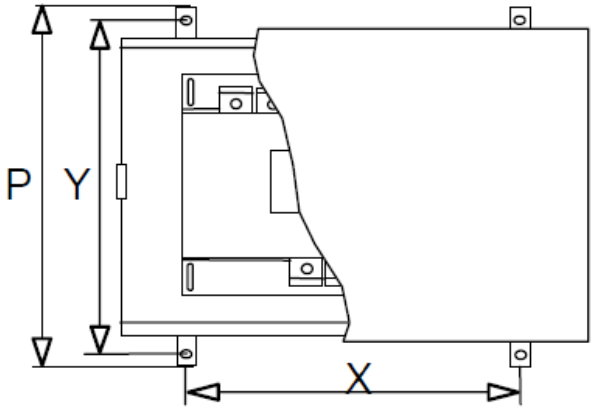
2. Autotransformer 200VA : Technical Characteristics

SINGLE PHASE AUTOTRANSFORMER

Fuse type : aM
Power:200VA - 50Hz - Single phase
P1: 0 – 400V (0.5A)
P2: 0 – 230V (0.87A)
Class I - Temperature rise class B – Ambient temp = 40°C
NFC 52100
50/60HZ
Length=84mm / Width=95mm / Height=78mm
4 fixing holes with a 5mm diameter
Fixing centres (on Length) = 70mm
Fixing centres (on Width) = 75mm
Weight = 1.9Kg

Reference : 15994064



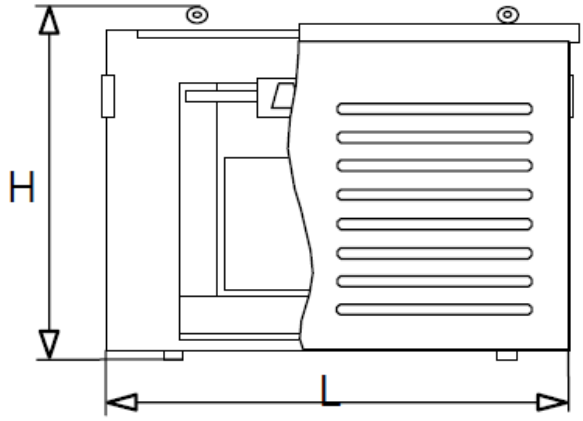


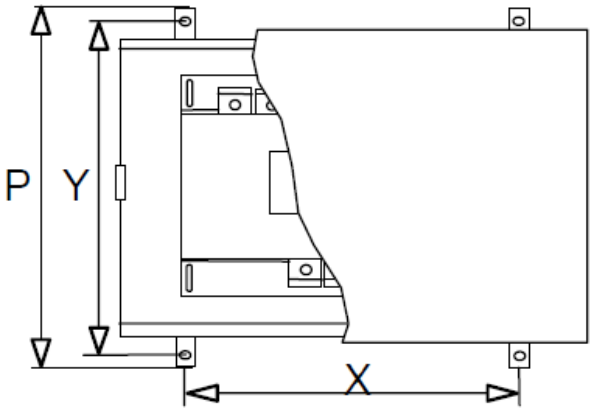
3. Autotransformer 400VA : Technical Characteristics

SINGLE PHASE AUTOTRANSFORMER

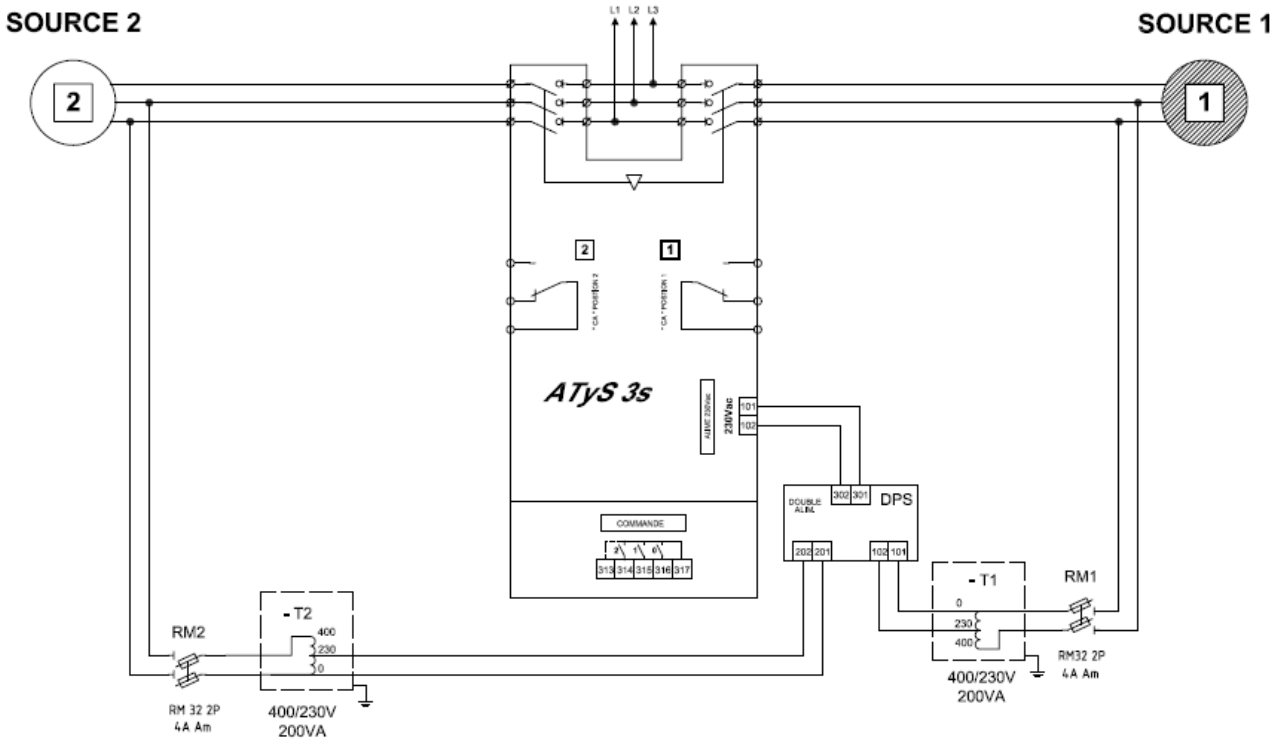
Fuse type : aM
Power:400VA - 50Hz - Single phase
P1: 0 – 400V (0.5A)
P2: 0 – 230V (0.87A)
Class I - Temperature rise class B – Ambient temp = 40°C
NFC 52100
50/60HZ
Length=96mm / Width=105mm / Height=88mm
4 fixing holes with a 5mm diameter
Fixing centres (on Length) = 80mm
Fixing centres (on Width) = 92mm
Weight = 3Kg

Reference : 15994121



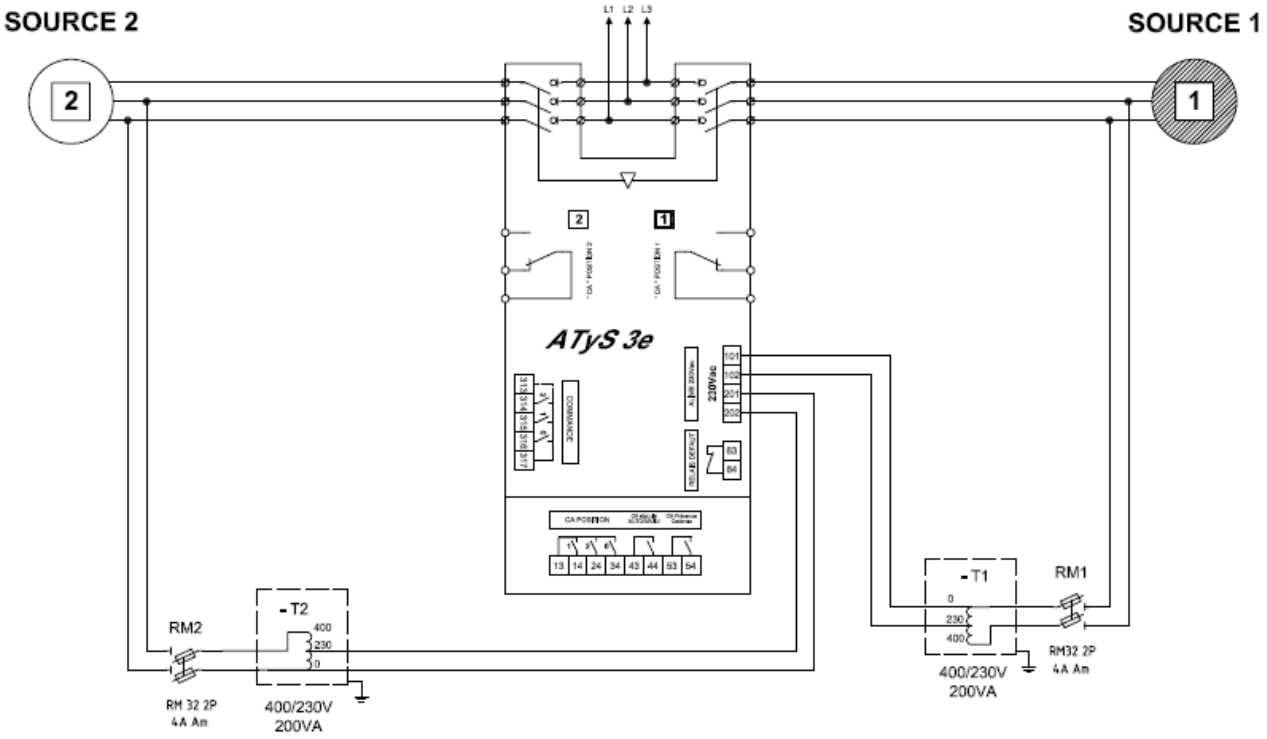


4. Electrical Diagram with an ATyS 3s



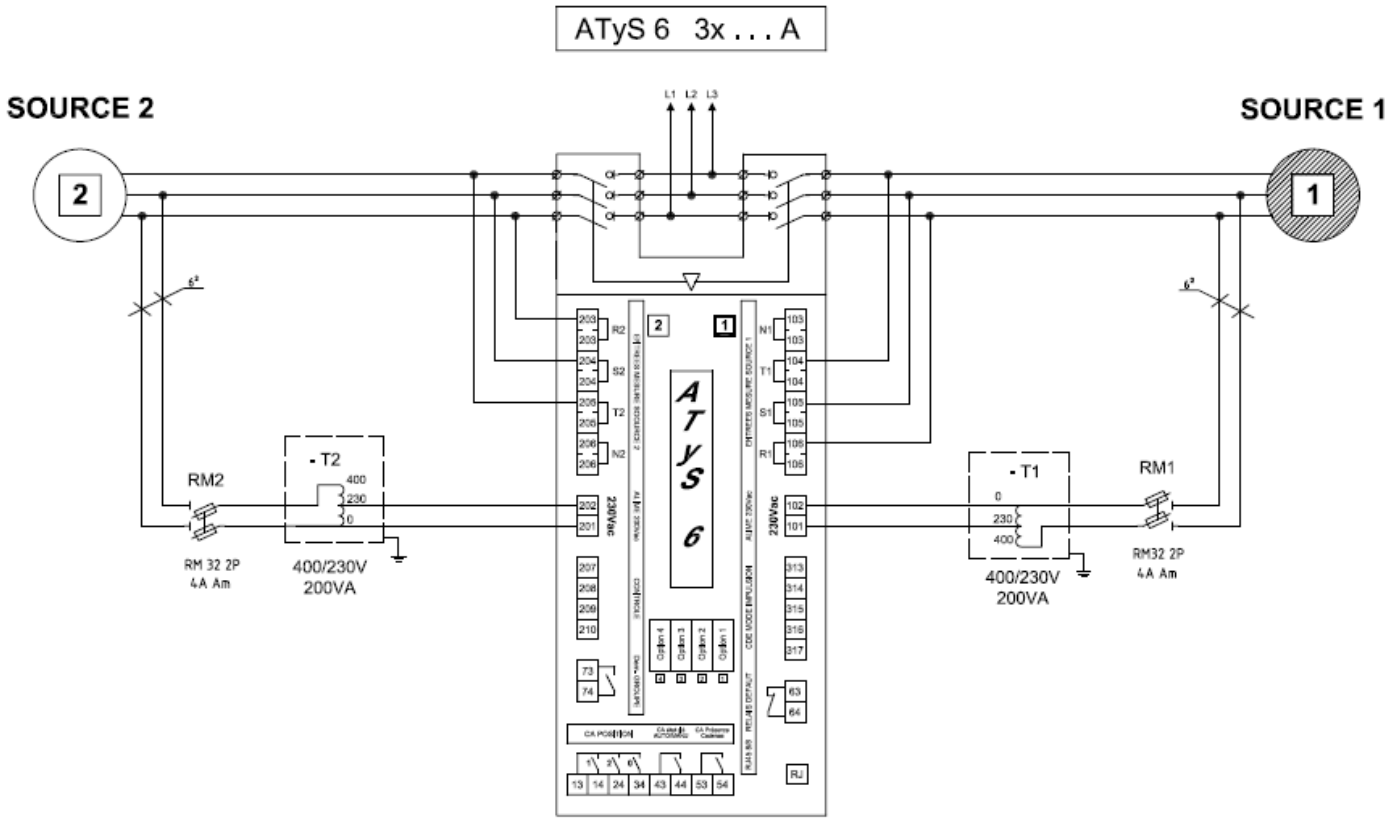
Autotransformer 200VA - Reference : 15994064

5. Electrical Diagram with an ATyS 3e



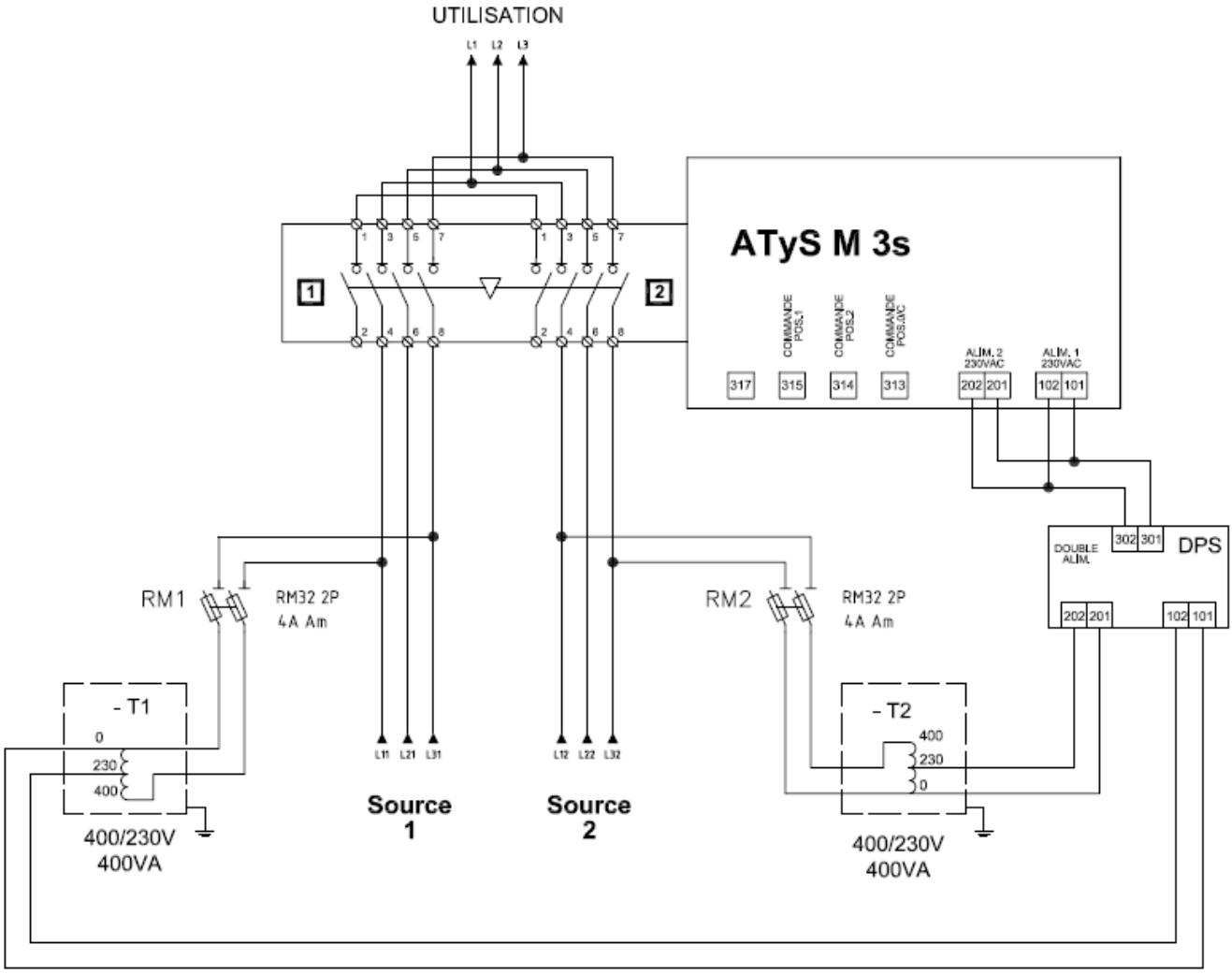
Autotransformer 200VA - Reference : 15994064

6. Electrical Diagram with an ATyS 6



Autotransformer 200VA - Reference : 15994064

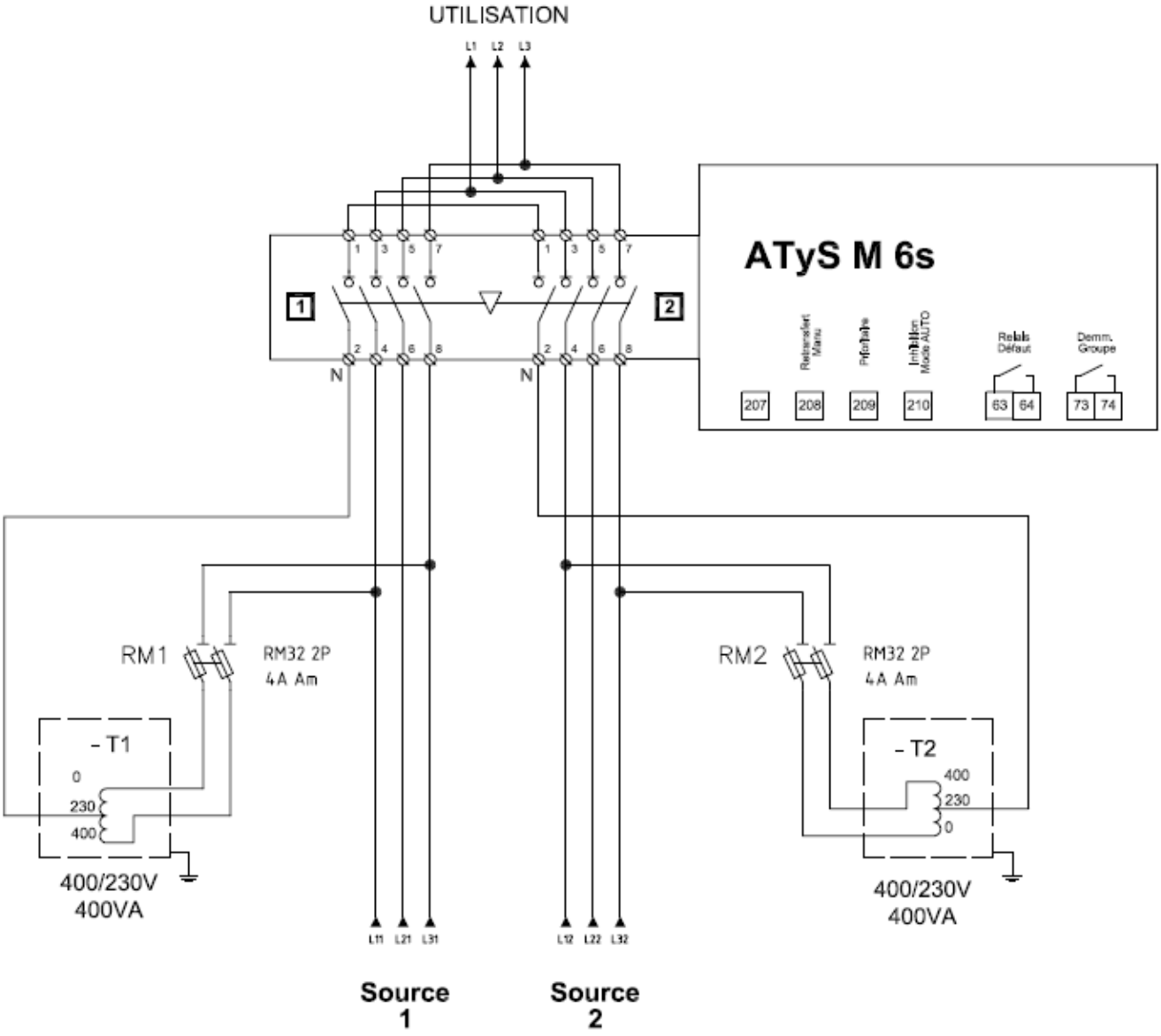
7. Electrical Diagram with an ATyS M3s



Autotransformer 400VA - Reference : 15994121

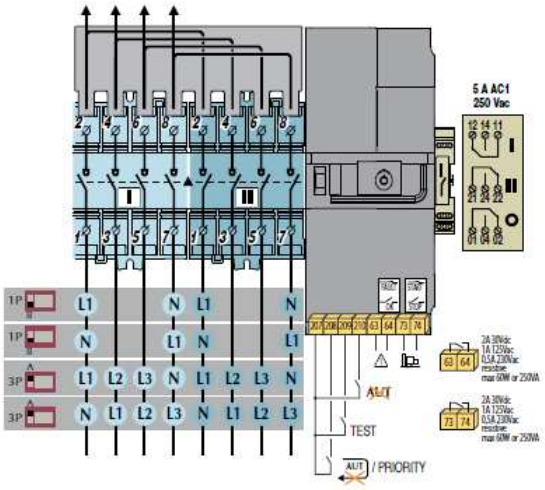
8. Electrical Diagram with an ATyS M6s (Neutral on left*)

*Note: Neutral can be connected on the left or right side.



Autotransformer 400VA - Reference : 15994121

8.1. Procedure for the configuration of the neutral position:



Step 1: It is necessary to first connect the ATyS M6s to a 3 phase and neutral supply (4NBL) to enable configuration of the neutral position (neutral position is detected upon initial start-up).

Step 2 : Connect auto-transformers.
Warning: The neutral must be connecting to the same side as configured by step 1.

8.2. If the network is not recognised by the ATyS M6s or if we wish to change the neutral position, proceed as follows:

- **Step 1 :** ➔ **Open the Manual operating cover.**

- **Step 2 :** ➔ **Set DIP switch from 3P to 1P.**

- **Step 3 :** ➔ **Set DIP switch from 1P to 3P.**

- **Step 4 :** ➔ **Close the Manual operating cover.**

⇨ **End of NEUTRAL position detection procedure.**

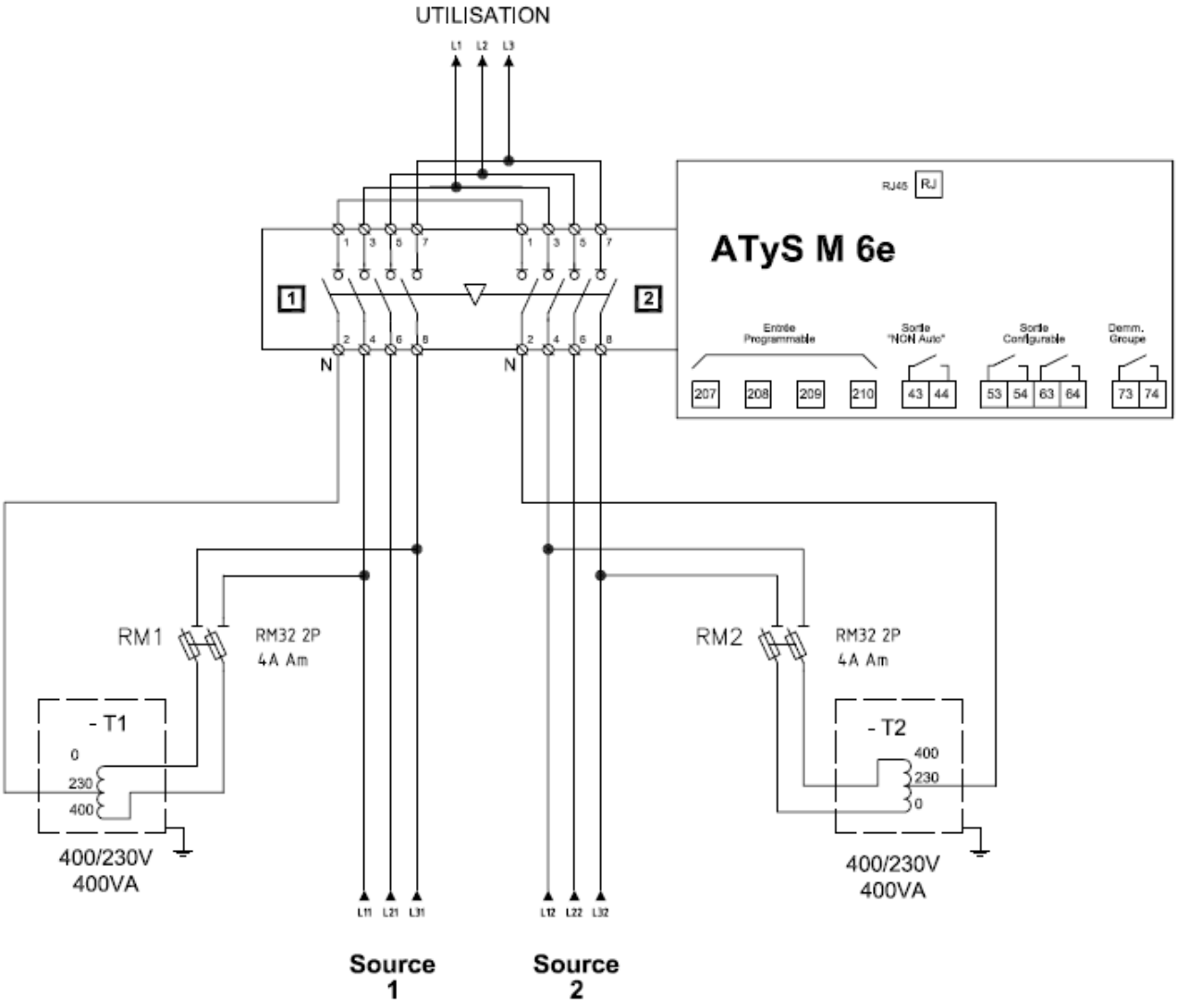
9 Electrical Diagram of an ATyS M6e (Neutral on left*)

*Note: Neutral can be connected on the left or right side.

9.1. Procedure for the configuration of the neutral position:

In The SETUP menu :

- **Step 1:** NETWORK = 3NBL
- **Step 2:** NEUTRAL AUTO = Left ou Right (According to where the Neutral is connected)



Autotransformer 400VA - Reference : 15994121