

Totally Integrated Automation Portal		
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tfg_alvaro_alonso / PLC_1 [CPU 1215C AC/DC/Rly] / Bloques de programa

Main [OB1]

Main Propiedades

General

Nombre	Main	Número	1	Tipo	OB
Idioma	KOP	Numeración	Automático		

Información

Título	"Main Program Sweep (Cycle)"	Autor		Comentario	Código del funcionamiento de la estación distribución
Familia		Versión	0.1	ID personalizado	

Main

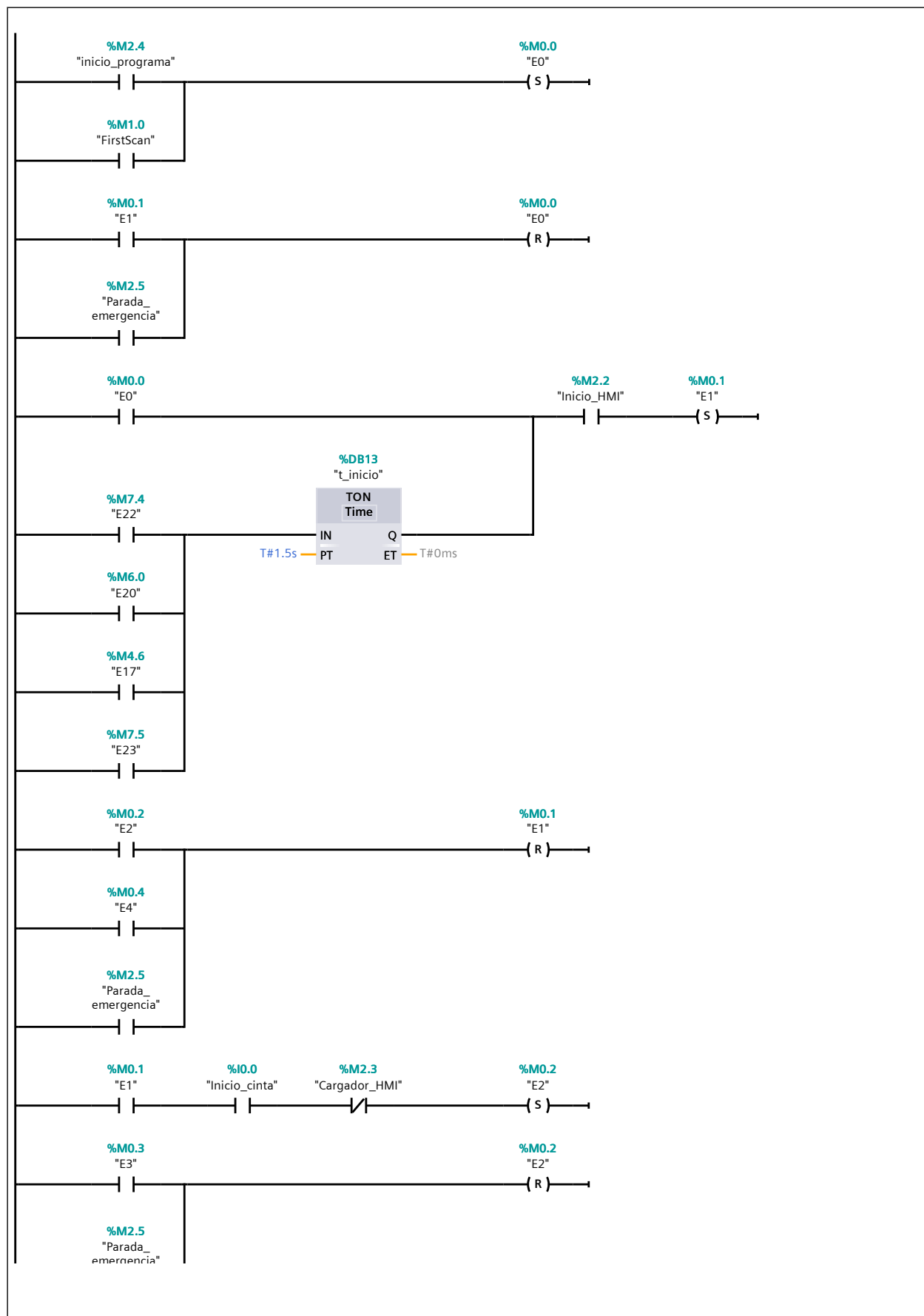
Nombre	Tipo de datos	Valor predet.	Comentario
▼ Input			
Initial_Call	Bool		Initial call of this OB
Remanence	Bool		=True, if remanent data are available
Temp			
Constant			

Segmento 1:

Etapas del proceso

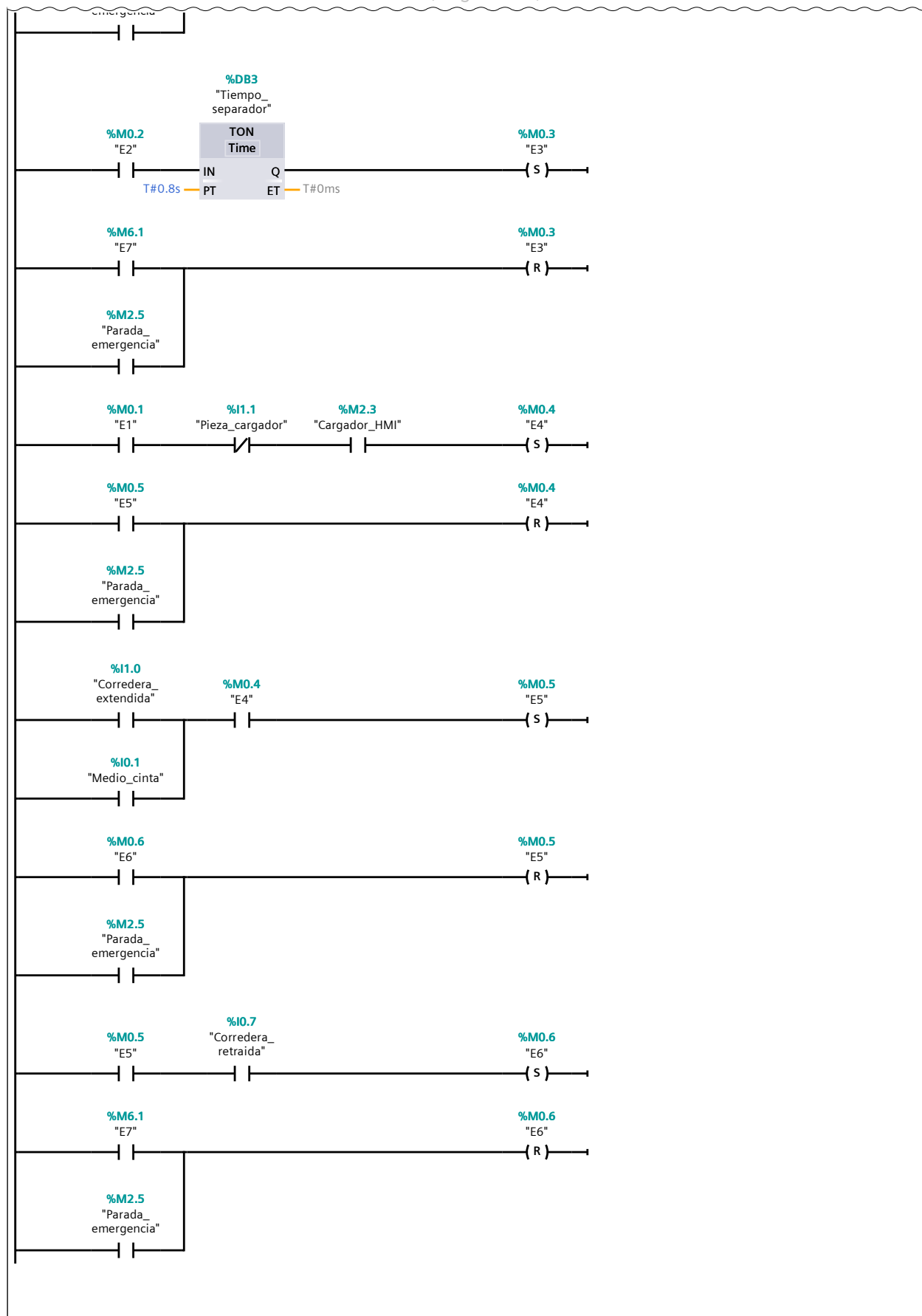
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Segmento 1: (1.1 / 10.1)



Segmento 1: (2.1 / 10.1)

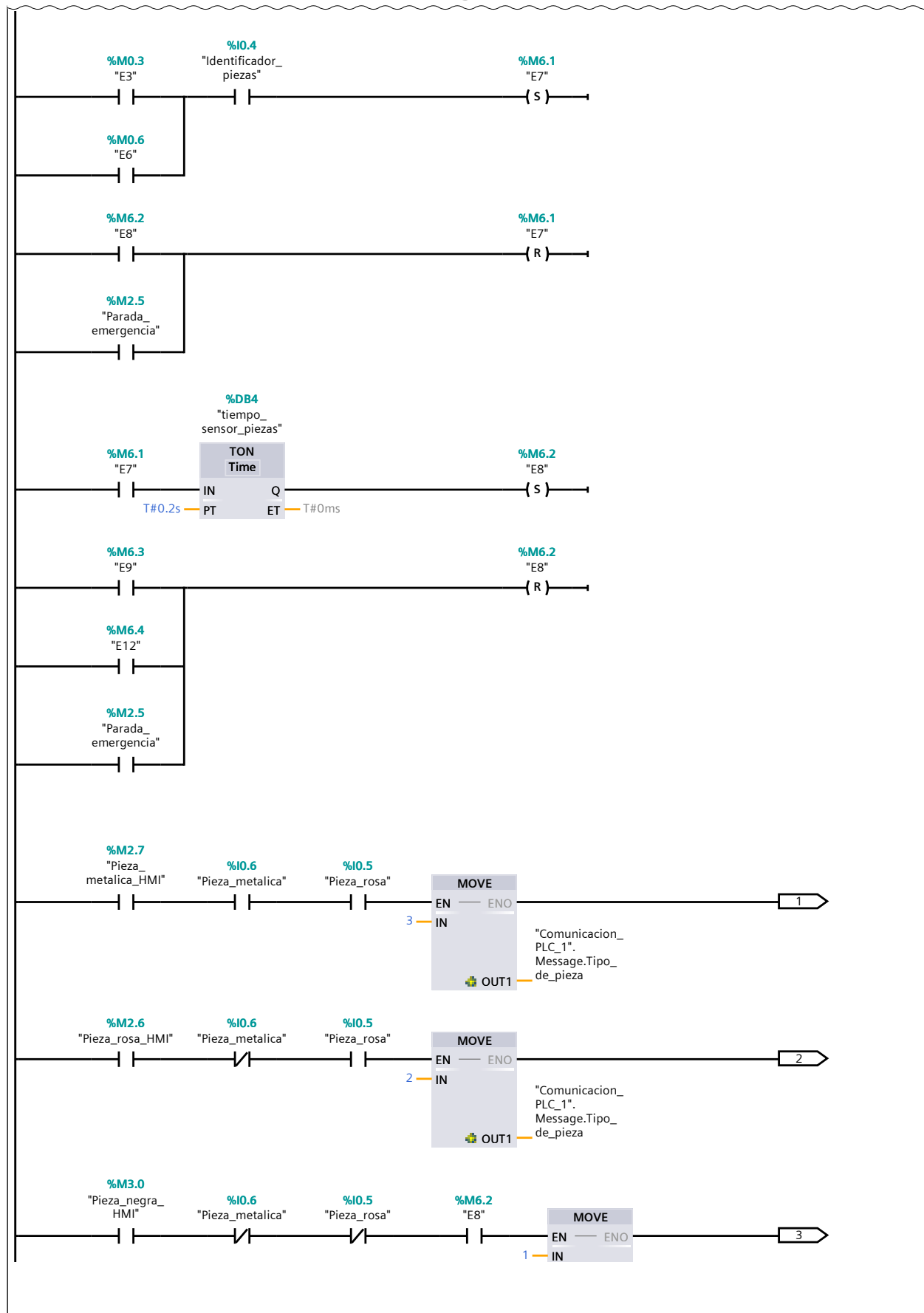
1.1 (Página1 - 2)



3.1 (Página1 - 4)

Segmento 1: (3.1 / 10.1)

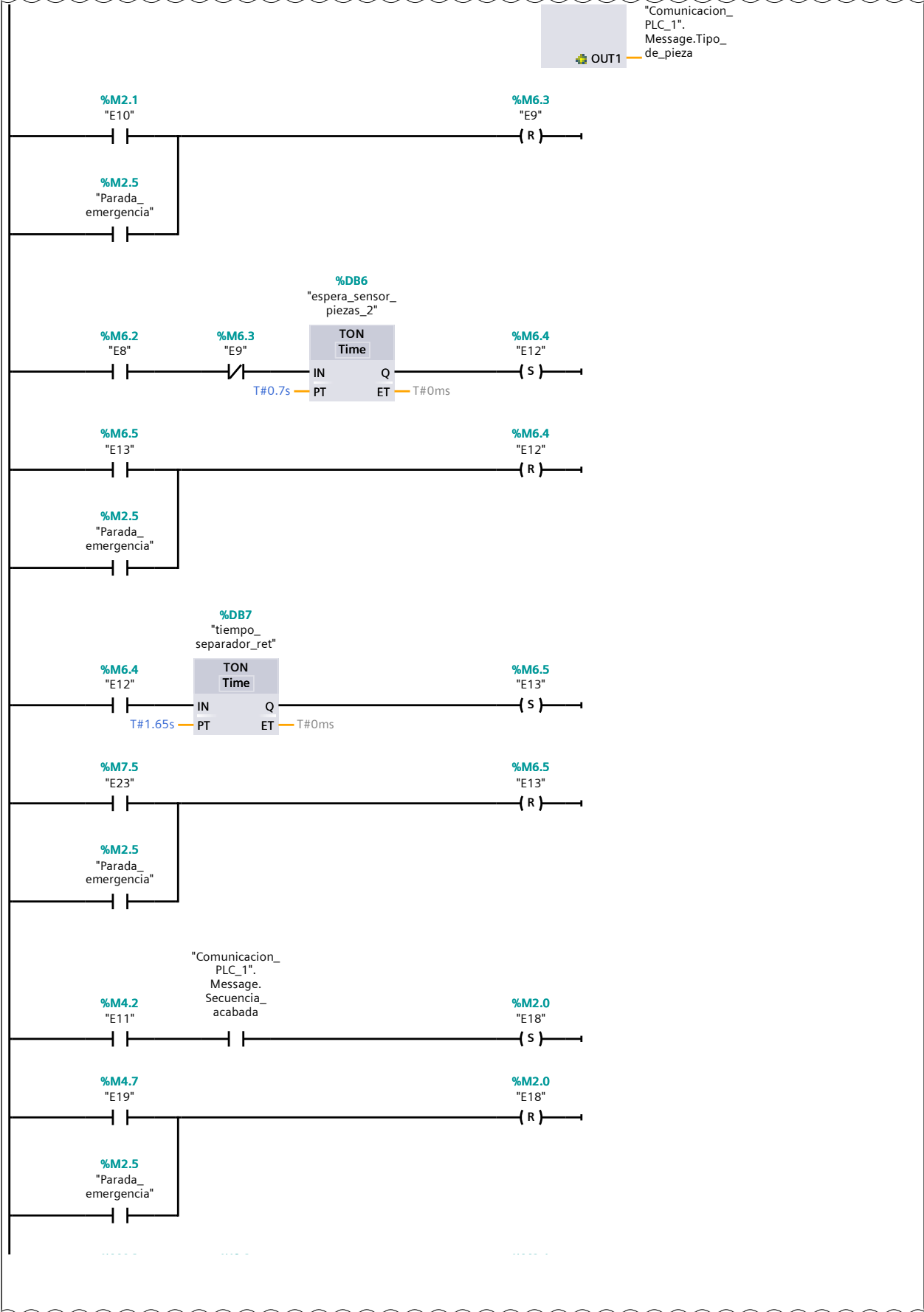
2.1 (Página1 - 3)



4.1 (Página1 - 5)

Segmento 1: (4.1 / 10.1)

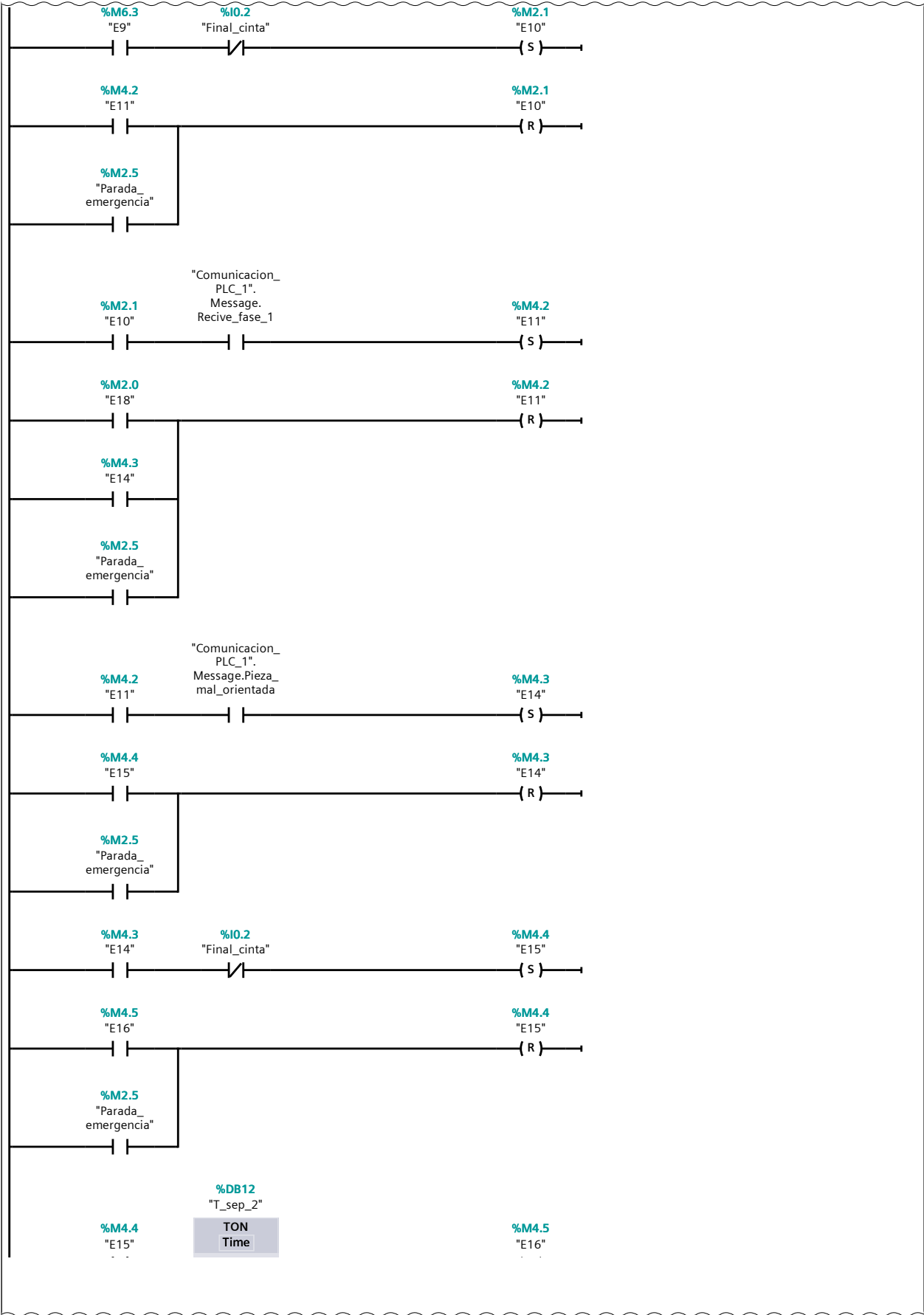
3.1 (Página1 - 4)



5.1 (Página1 - 6)

Segmento 1: (5.1 / 10.1)

4.1 (Página1 - 5)



6.1 (Página1 - 7)

Segmento 1: (6.1 / 10.1)

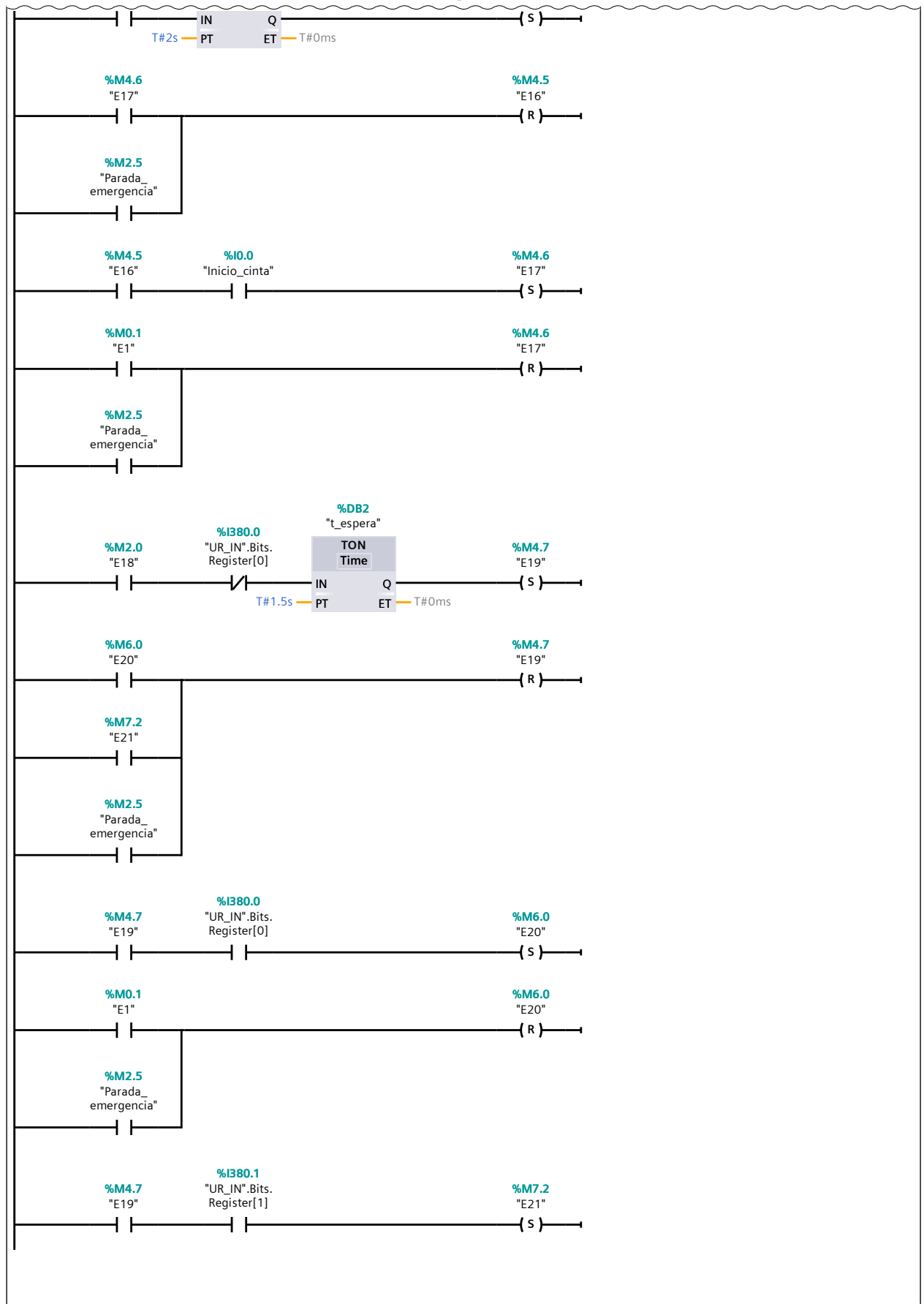
5.1 (Página1 - 6)

The diagram illustrates the control logic for Segment 1, featuring several interlocking and timing sequences:

- Top Section:** A timer block (T#2s) is connected to the IN/PT of a TON timer. The Q output is connected to a set coil (S) for %M4.6 "E17". The ET output is connected to a reset coil (R) for %M4.5 "E16".
- Emergency Stop Logic:** Two parallel branches, each containing a normally open contact for %M2.5 "Parada_emergencia", are connected to the reset coils (R) for %M4.6 "E17" and %M0.1 "E1".
- Interlocking Logic:** A normally open contact for %M4.5 "E16" is connected to a set coil (S) for %M4.6 "E17". A normally open contact for %M0.1 "E1" is connected to a reset coil (R) for %M4.6 "E17".
- Timing Logic:** A timer block (T#1.5s) is connected to the IN/PT of a TON timer. The Q output is connected to a set coil (S) for %M4.7 "E19". The ET output is connected to a reset coil (R) for %M4.7 "E19".
- Interlocking Logic:** A normally open contact for %M6.0 "E20" is connected to a set coil (S) for %M4.7 "E19". A normally open contact for %M7.2 "E21" is connected to a reset coil (R) for %M4.7 "E19".
- Emergency Stop Logic:** A normally open contact for %M2.5 "Parada_emergencia" is connected to the reset coil (R) for %M4.7 "E19".
- Interlocking Logic:** A normally open contact for %M4.7 "E19" is connected to a set coil (S) for %M6.0 "E20". A normally open contact for %M0.1 "E1" is connected to a reset coil (R) for %M6.0 "E20".
- Emergency Stop Logic:** A normally open contact for %M2.5 "Parada_emergencia" is connected to the reset coil (R) for %M6.0 "E20".
- Interlocking Logic:** A normally open contact for %M4.7 "E19" is connected to a set coil (S) for %M7.2 "E21". A normally open contact for %M0.1 "E1" is connected to a reset coil (R) for %M7.2 "E21".

7.1 (Página1 - 8)

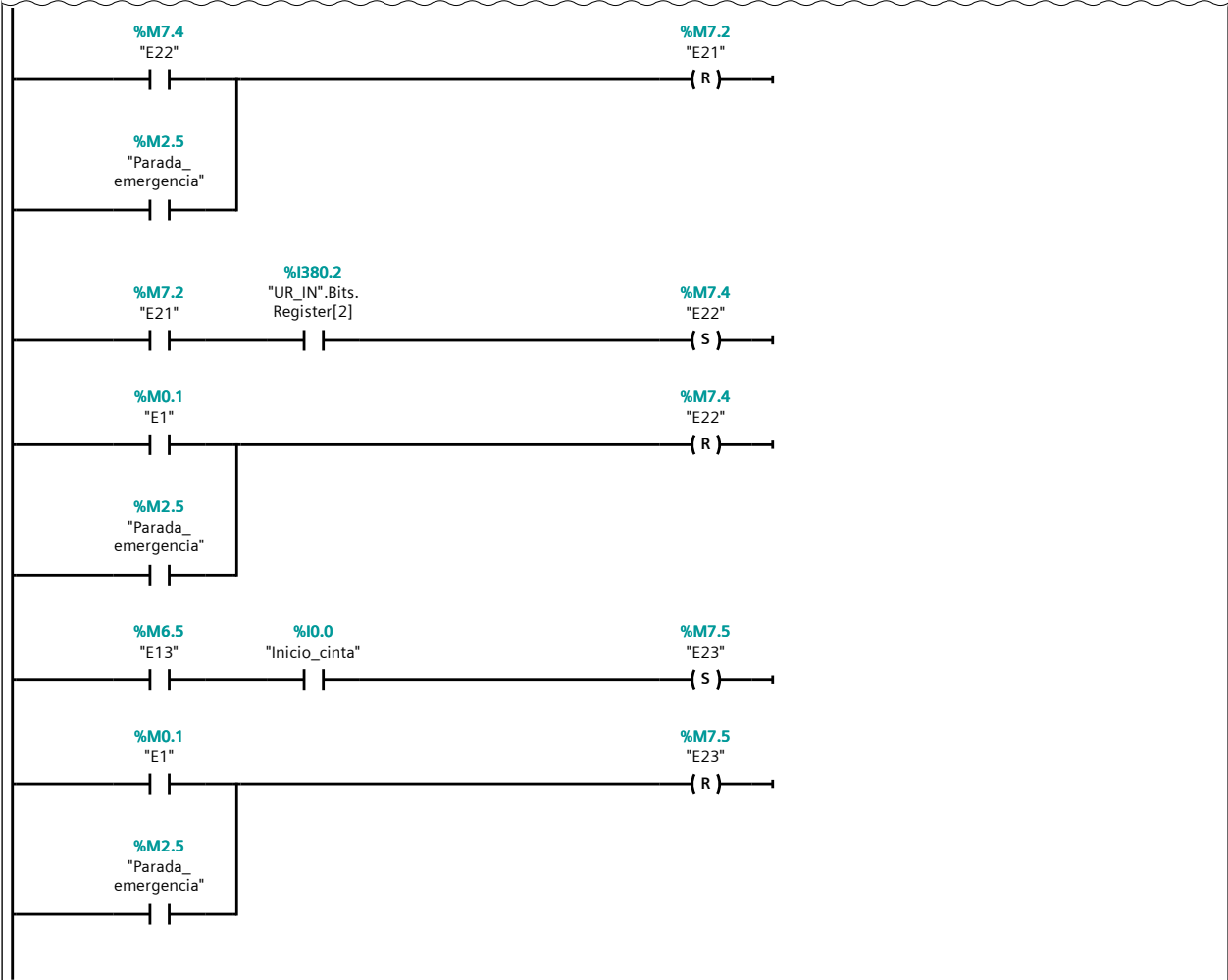
5.1 (Página1 - 6)



7.1 (Página1 - 8)

Segmento 1: (7.1 / 10.1)

6.1 (Página1 - 7)



8.1 (Página1 - 9)

Segmento 1: (8.1 / 10.1)

7.1 (Página1 - 8)

9.1 (Página1 - 10)

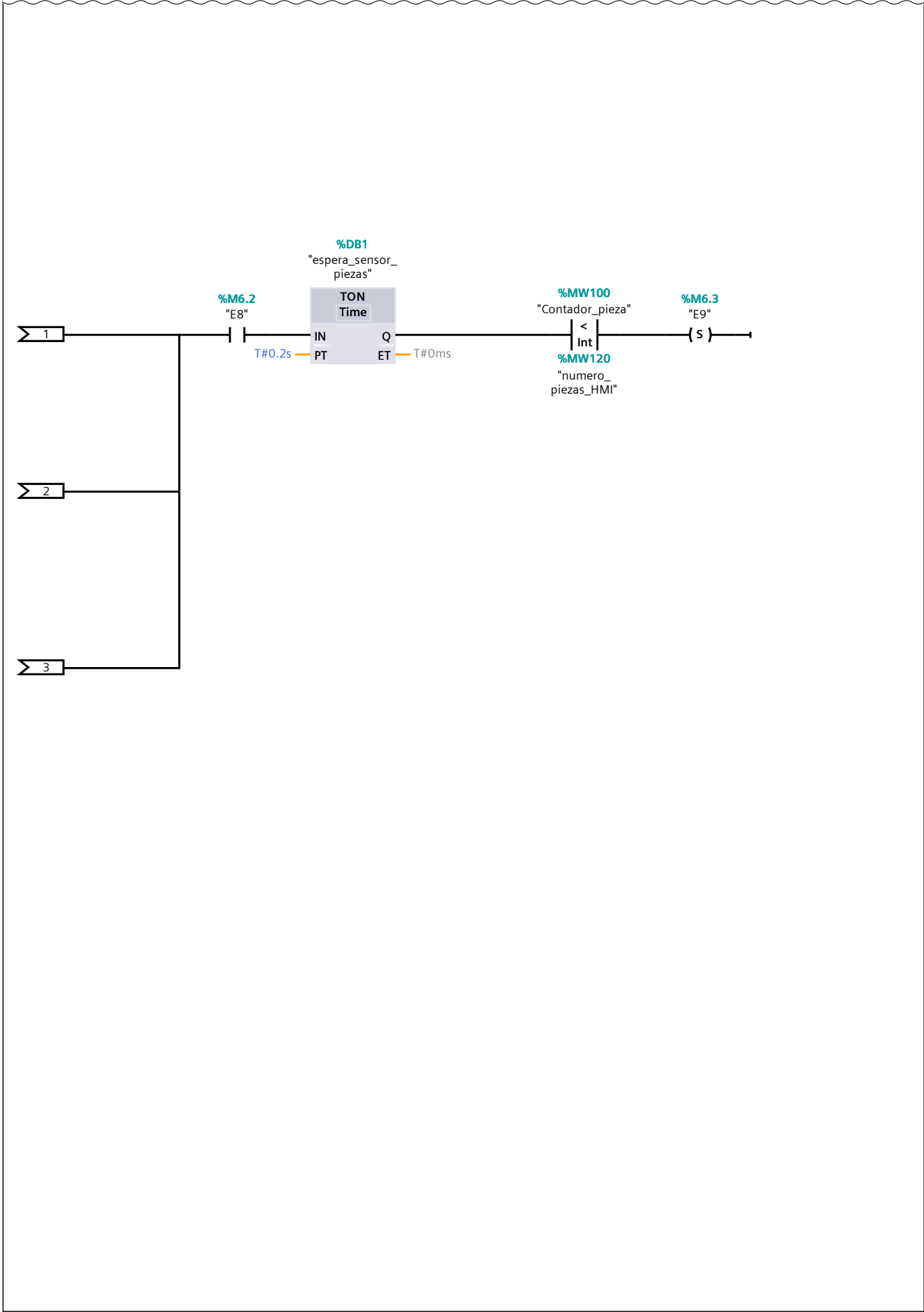
Segmento 1: (9.1 / 10.1)

8.1 (Página1 - 9)

10.1 (Página1 - 11)

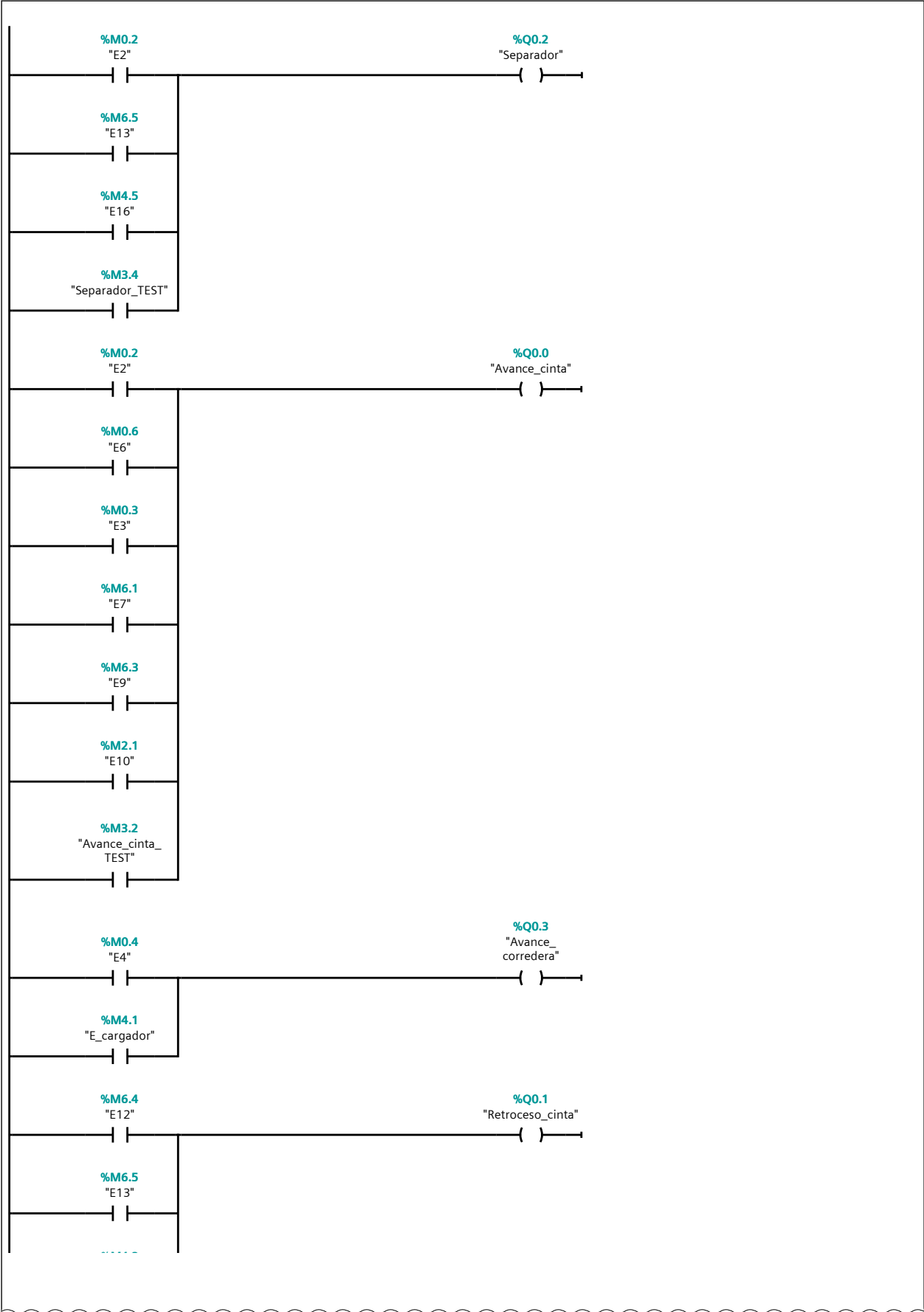
Segmento 1: (10.1 / 10.1)

9.1 (Página1 - 10)



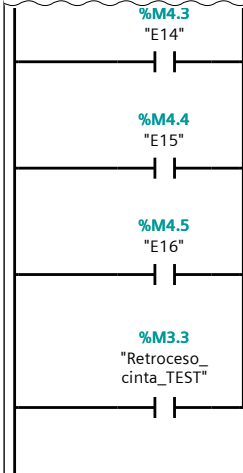
Totally Integrated Automation Portal		
Segmento 2: Acciones de las etapas		

Segmento 2: (1.1 / 2.1)



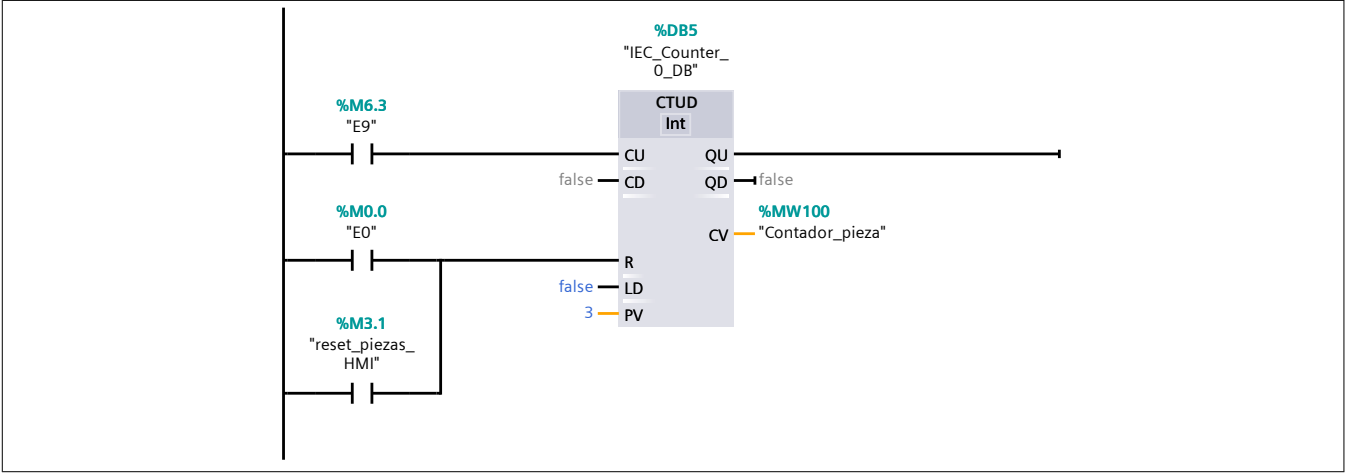
Segmento 2: (2.1 / 2.1)

1.1 (Página1 - 13)



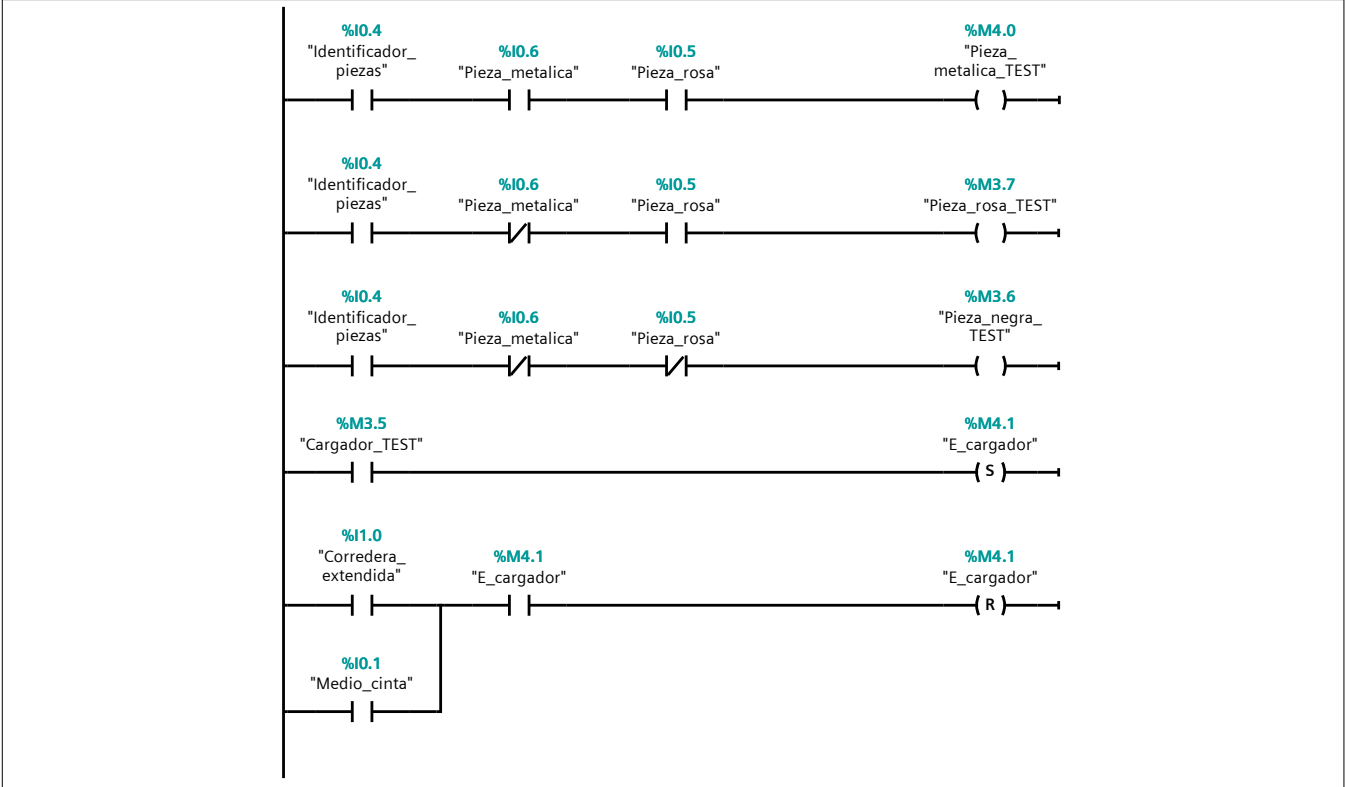
Segmento 3:

Control del contador de piezas



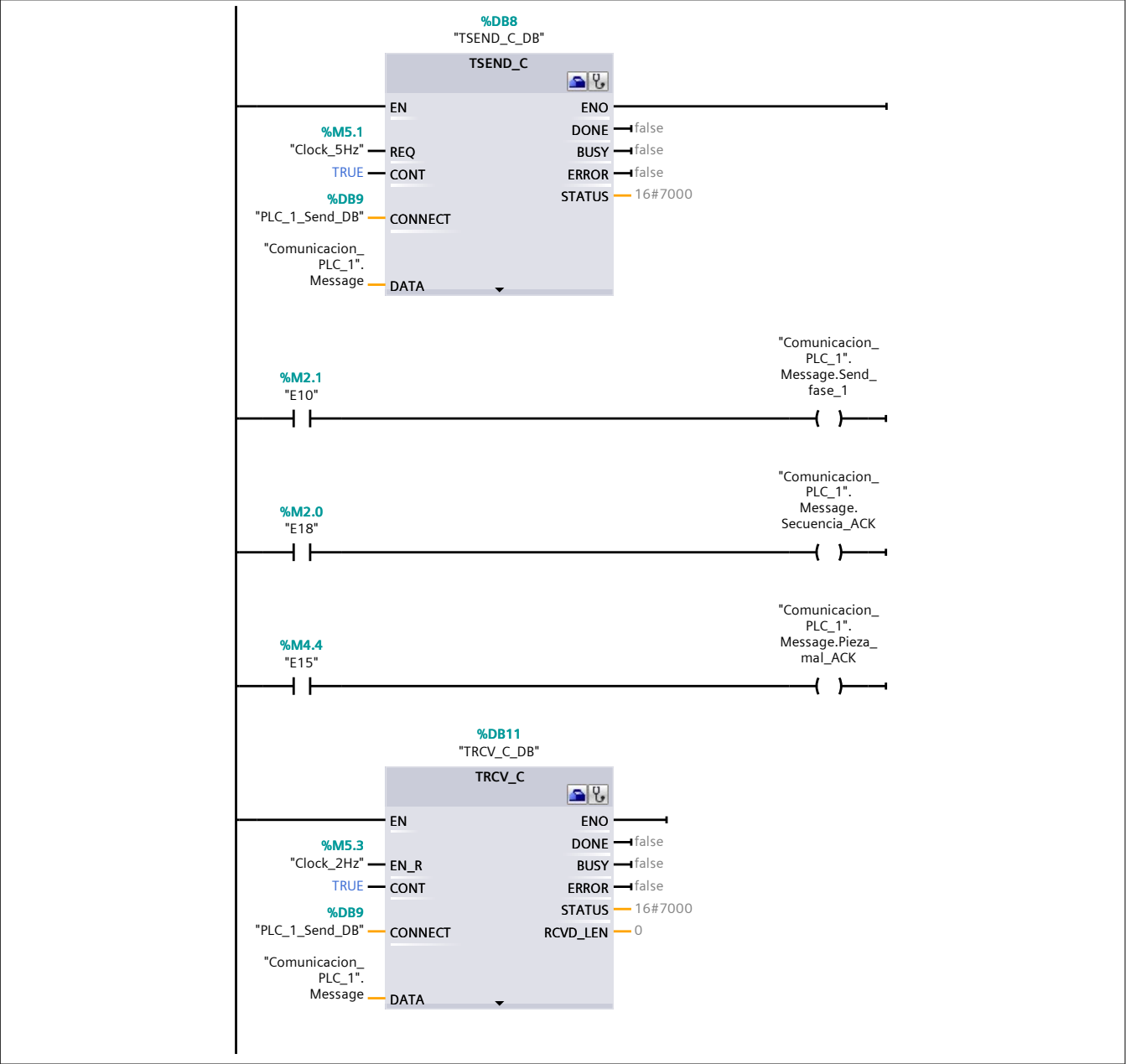
Segmento 4:

Test del HMI



Segmento 5:

Comunicación con el PLC 2



Segmento 6:

Comunicación con el UR

