

Anexo 12

| Totally Integrated Automation Portal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|-----------|------------|----------------|---------------------|--|------------|----------------|---------------------|------------|----------|------|-------|-------|------|------|------------------|----------|------|-------|-------|------|------|---|----------|------|-------|-------|------|------|---|----------|------|-------|-------|------|------|--------------------|----------|------|-------|-------|------|------|-----------------|----------|------|-------|-------|------|------|-----------------|----------|------|-------|-------|------|------|-----------------|--------------|------|-------|-------|------|------|--|---------------|------|-------|-------|------|------|--|------------------|------|-------|-------|------|------|----------------------|------------|------|-------|-------|------|------|------------------------|---------------|------|-------|-------|------|------|--|---------------|------|-------|-------|------|------|--|---------------|------|-------|-------|------|------|--|---------------|------|-------|-------|------|------|--|------|------|-------|-------|------|------|--|
| <p>PLC_1 [CPU 1516-3 PN/DP] / Variables PLC / Tabla de variables estándar [64]</p> <p>Variables PLC</p> <p>Variables PLC</p> <table border="1"> <thead> <tr> <th>Nombre</th> <th>Tipo de datos</th> <th>Dirección</th> <th>Remanencia</th> <th>Vísible en HMI</th> <th>Accesible desde HMI</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>Encender</td> <td>Bool</td> <td>%I0.0</td> <td>False</td> <td>True</td> <td>True</td> <td>Encender sistema</td> </tr> <tr> <td>Sensor_1</td> <td>Bool</td> <td>%I0.1</td> <td>False</td> <td>True</td> <td>True</td> <td>Volumen de lodo de perforacion entrante</td> </tr> <tr> <td>Sensor_2</td> <td>Bool</td> <td>%I0.2</td> <td>False</td> <td>True</td> <td>True</td> <td>Volumen de lodo de perforacion saliente</td> </tr> <tr> <td>Sensor_3</td> <td>Bool</td> <td>%I0.3</td> <td>False</td> <td>True</td> <td>True</td> <td>Presion registrada</td> </tr> <tr> <td>Marca_k1</td> <td>Bool</td> <td>%M0.0</td> <td>False</td> <td>True</td> <td>True</td> <td>Símbolo relé k1</td> </tr> <tr> <td>Marca_k2</td> <td>Bool</td> <td>%M0.1</td> <td>False</td> <td>True</td> <td>True</td> <td>Símbolo relé k2</td> </tr> <tr> <td>Marca_k3</td> <td>Bool</td> <td>%M0.2</td> <td>False</td> <td>True</td> <td>True</td> <td>Símbolo relé k3</td> </tr> <tr> <td>MarcaACT_HMI</td> <td>Bool</td> <td>%M0.3</td> <td>False</td> <td>True</td> <td>True</td> <td>Marca usada para iniciar el proceso a través de la HMI</td> </tr> <tr> <td>VisualizarHMI</td> <td>Bool</td> <td>%M0.4</td> <td>False</td> <td>True</td> <td>True</td> <td>Marca usada para visualizar el proceso en la HMI</td> </tr> <tr> <td>MarcadorContador</td> <td>Bool</td> <td>%M0.5</td> <td>False</td> <td>True</td> <td>True</td> <td>inicia el incremento</td> </tr> <tr> <td>MarcaTimer</td> <td>Bool</td> <td>%M0.6</td> <td>False</td> <td>True</td> <td>True</td> <td>ciclo cada 60 segundos</td> </tr> <tr> <td>Solenoides 1Y</td> <td>Bool</td> <td>%Q0.0</td> <td>False</td> <td>True</td> <td>True</td> <td>Salida para la activación del solenoide 1Y</td> </tr> <tr> <td>Solenoides 2Y</td> <td>Bool</td> <td>%Q0.1</td> <td>False</td> <td>True</td> <td>True</td> <td>Salida para la activación del solenoide 2Y</td> </tr> <tr> <td>Solenoides 3Y</td> <td>Bool</td> <td>%Q0.2</td> <td>False</td> <td>True</td> <td>True</td> <td>Salida para la activación del solenoide 3Y</td> </tr> <tr> <td>SensorTuberia</td> <td>Bool</td> <td>%I0.4</td> <td>False</td> <td>True</td> <td>True</td> <td></td> </tr> <tr> <td>Paro</td> <td>Bool</td> <td>%Q0.3</td> <td>False</td> <td>True</td> <td>True</td> <td></td> </tr> </tbody> </table> | | | | Nombre | Tipo de datos | Dirección | Remanencia | Vísible en HMI | Accesible desde HMI | Comentario | Encender | Bool | %I0.0 | False | True | True | Encender sistema | Sensor_1 | Bool | %I0.1 | False | True | True | Volumen de lodo de perforacion entrante | Sensor_2 | Bool | %I0.2 | False | True | True | Volumen de lodo de perforacion saliente | Sensor_3 | Bool | %I0.3 | False | True | True | Presion registrada | Marca_k1 | Bool | %M0.0 | False | True | True | Símbolo relé k1 | Marca_k2 | Bool | %M0.1 | False | True | True | Símbolo relé k2 | Marca_k3 | Bool | %M0.2 | False | True | True | Símbolo relé k3 | MarcaACT_HMI | Bool | %M0.3 | False | True | True | Marca usada para iniciar el proceso a través de la HMI | VisualizarHMI | Bool | %M0.4 | False | True | True | Marca usada para visualizar el proceso en la HMI | MarcadorContador | Bool | %M0.5 | False | True | True | inicia el incremento | MarcaTimer | Bool | %M0.6 | False | True | True | ciclo cada 60 segundos | Solenoides 1Y | Bool | %Q0.0 | False | True | True | Salida para la activación del solenoide 1Y | Solenoides 2Y | Bool | %Q0.1 | False | True | True | Salida para la activación del solenoide 2Y | Solenoides 3Y | Bool | %Q0.2 | False | True | True | Salida para la activación del solenoide 3Y | SensorTuberia | Bool | %I0.4 | False | True | True | | Paro | Bool | %Q0.3 | False | True | True | |
| Nombre | Tipo de datos | Dirección | Remanencia | Vísible en HMI | Accesible desde HMI | Comentario | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Encender | Bool | %I0.0 | False | True | True | Encender sistema | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sensor_1 | Bool | %I0.1 | False | True | True | Volumen de lodo de perforacion entrante | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sensor_2 | Bool | %I0.2 | False | True | True | Volumen de lodo de perforacion saliente | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sensor_3 | Bool | %I0.3 | False | True | True | Presion registrada | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marca_k1 | Bool | %M0.0 | False | True | True | Símbolo relé k1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marca_k2 | Bool | %M0.1 | False | True | True | Símbolo relé k2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marca_k3 | Bool | %M0.2 | False | True | True | Símbolo relé k3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MarcaACT_HMI | Bool | %M0.3 | False | True | True | Marca usada para iniciar el proceso a través de la HMI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VisualizarHMI | Bool | %M0.4 | False | True | True | Marca usada para visualizar el proceso en la HMI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MarcadorContador | Bool | %M0.5 | False | True | True | inicia el incremento | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MarcaTimer | Bool | %M0.6 | False | True | True | ciclo cada 60 segundos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solenoides 1Y | Bool | %Q0.0 | False | True | True | Salida para la activación del solenoide 1Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solenoides 2Y | Bool | %Q0.1 | False | True | True | Salida para la activación del solenoide 2Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solenoides 3Y | Bool | %Q0.2 | False | True | True | Salida para la activación del solenoide 3Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SensorTuberia | Bool | %I0.4 | False | True | True | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paro | Bool | %Q0.3 | False | True | True | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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