CS1W-PRM21

PROFIBUS-DP master unit

- PROFIBUS-DP master class one with support of DP-V1 data types.
- 7 kWord I/O
- Simple configuration through FDT/DTM based configurator
- Special CPU unit
- Handles data independent of the CPU unit, thus reducing CPU load

Function

The CS1W-PRM21 is a master system (DPM1). It exchanges I/O data and communication/status information with the CPU of the PLC. To configure the CS1W-PRM21 a serial port of the CPU can be used. But because configuring is done through FINS communication virtual any accesspoint on the PLC network can be used. It exchanges data and commands with PROFIBUS-DP slave stations over the PROFIBUS network.

Specifications

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<tr>
<th>Model</th>
<th>Main function</th>
<th>Unit No.</th>
<th>Maximum number of units mountable per PLC</th>
<th>Configurator</th>
<th>Supported baud rate(s)</th>
<th>Selectable PROFIBUS address</th>
<th>Maximum number of PROFIBUS slaves</th>
<th>Maximum number of I/O points</th>
<th>Maximum number of I/O points per PROFIBUS slave</th>
<th>Control and status area size</th>
<th>Supported Global_Control services</th>
<th>Supported Master-Slave communication services</th>
<th>Power consumption</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Ambient temperature</th>
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</thead>
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<td>CS1W-PRM21</td>
<td>Basic PROFIBUS-DP master Class 1 functions plus: DPV1 data types support</td>
<td>0-15</td>
<td>16</td>
<td>FTD/DTM based</td>
<td>All baud rates as specified by the standard ENS0170 Volume 2, the PROFIBUS extensions to ENS0170, as well as the standard IEC61158: 9.6 kBit/s, 19.2 kBit/s, 45.45 kBit/s, 93.75 kBit/s, 187.5 kBit/s, 500 kBit/s, 1.5 MBit/s, 3 MBit/s, 6 MBit/s, 12 MBit/s</td>
<td>0-125</td>
<td>125</td>
<td>7168 words</td>
<td>244 bytes In / 244 bytes Out</td>
<td>25 words</td>
<td>Sync, Unsync, Freeze, Unfreeze, Clear</td>
<td>Data_Exchange, Slave_Diag, Sel_PRM, Chk_Cfg, Global_Control</td>
<td>400 mA at 5 V</td>
<td>34.5 mm wide x 130 mm height x 111.2 mm depth</td>
<td>154 gr</td>
<td>Operating: 0 °C to 50 °C</td>
</tr>
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