

Analog Signal Conditioning Module in DIN-Rail-mountable Enclosure

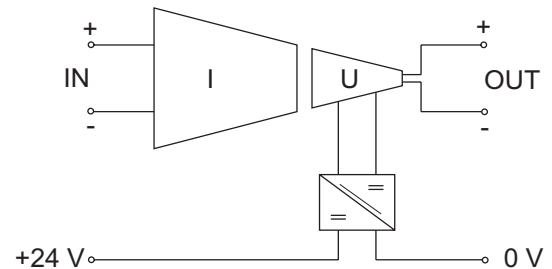
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Input signal 4-20 mA

Data sheet



Similar illustration



| Description | Item-No. | Pack.-unit pcs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------|--------------|---------|--------------------|-------|------------------|---------------|---------------|------------|--------------------|---------------------|---------------------------------|--------------|--------------------------------------|-------------------|----------------------------|-------|--------------------------------|--------------------|------------------------|--------------------|------------------------------|--|--------|------------|----------------------------|-------|--|------------------|-------------------------------|---------------|---------------------|-----------------|--------------------|--|--|----------------------------------|-----------------|---|--|--------------------------------------|-----------------|----------------|------------------------|---------------------------------------|
| Measuring output ± 10 V | 787-366 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • Analog signal conditioning module for signal transformation, amplification and transmission with electrical isolation of input and output of standard signals. • Electrical isolated supply of output via DC/DC-converter. • Input without auxiliary power. • Module in DIN-rail mountable enclosure. • Multi connection system. (WAGO series 734) | <p>Technical Data</p> <p>Measuring input:</p> <table border="1"> <tr><td>Input signal</td><td>4-20 mA</td></tr> <tr><td>Max. input current</td><td>22 mA</td></tr> <tr><td>Input resistance</td><td>< 50 Ω</td></tr> </table> <p>Measuring output:</p> <table border="1"> <tr><td>Output signal</td><td>± 10 V</td></tr> <tr><td>Working resistance</td><td>≥ 2 kΩ</td></tr> </table> <p>Transmission characteristics:</p> <table border="1"> <tr><td>Transmission error (full scale)</td><td>≤ 0.1 %</td></tr> <tr><td>Temperature coefficient (full scale)</td><td>≤ 0.02 % / K</td></tr> <tr><td>Critical frequency (Sinus)</td><td>1 kHz</td></tr> <tr><td>Isolation voltage input/output</td><td>4 kV, 50 Hz, 1 min</td></tr> <tr><td>input/output/auxiliary</td><td>1 kV, 50 Hz, 1 min</td></tr> </table> <p>General data:</p> <table border="1"> <tr><td>Supply voltage RR ≤ 6 %</td><td></td></tr> <tr><td>output</td><td>DC 20-30 V</td></tr> <tr><td>Current consumption output</td><td>30 mA</td></tr> <tr><td>Nominal voltage acc. to VDE 0110/ 1.89</td><td>250 V / 4 kV / 3</td></tr> <tr><td>Ambient operating temperature</td><td>0 °C...+55 °C</td></tr> <tr><td>Storage temperature</td><td>-40 °C...+80 °C</td></tr> <tr><td>Dimensions (WxHxD)</td><td>(22,5x105* x74)mm (0.89x4.13* x2.91)in</td></tr> <tr><td></td><td>* from upper edge of DIN 35 rail</td></tr> <tr><td>Wire connection</td><td>Plugg. connector with CAGE CLAMP® (WAGO series 734)</td></tr> <tr><td></td><td>0,08-1,5 mm² / AWG 28-16</td></tr> <tr><td>Stripped length</td><td>7 mm / 0.28 in</td></tr> <tr><td>EMC-test IEC 801-2/4/5</td><td>Grade B met acc.to EN50082 P.2 (3.94)</td></tr> </table> | | Input signal | 4-20 mA | Max. input current | 22 mA | Input resistance | < 50 Ω | Output signal | ± 10 V | Working resistance | ≥ 2 k Ω | Transmission error (full scale) | ≤ 0.1 % | Temperature coefficient (full scale) | ≤ 0.02 % / K | Critical frequency (Sinus) | 1 kHz | Isolation voltage input/output | 4 kV, 50 Hz, 1 min | input/output/auxiliary | 1 kV, 50 Hz, 1 min | Supply voltage RR ≤ 6 % | | output | DC 20-30 V | Current consumption output | 30 mA | Nominal voltage acc. to VDE 0110/ 1.89 | 250 V / 4 kV / 3 | Ambient operating temperature | 0 °C...+55 °C | Storage temperature | -40 °C...+80 °C | Dimensions (WxHxD) | (22,5x105* x74)mm (0.89x4.13* x2.91)in | | * from upper edge of DIN 35 rail | Wire connection | Plugg. connector with CAGE CLAMP® (WAGO series 734) | | 0,08-1,5 mm ² / AWG 28-16 | Stripped length | 7 mm / 0.28 in | EMC-test IEC 801-2/4/5 | Grade B met acc.to EN50082 P.2 (3.94) |
| Input signal | 4-20 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. input current | 22 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input resistance | < 50 Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output signal | ± 10 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working resistance | ≥ 2 k Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transmission error (full scale) | ≤ 0.1 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature coefficient (full scale) | ≤ 0.02 % / K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical frequency (Sinus) | 1 kHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isolation voltage input/output | 4 kV, 50 Hz, 1 min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| input/output/auxiliary | 1 kV, 50 Hz, 1 min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Supply voltage RR ≤ 6 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| output | DC 20-30 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current consumption output | 30 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal voltage acc. to VDE 0110/ 1.89 | 250 V / 4 kV / 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ambient operating temperature | 0 °C...+55 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage temperature | -40 °C...+80 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (WxHxD) | (22,5x105* x74)mm (0.89x4.13* x2.91)in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | * from upper edge of DIN 35 rail | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wire connection | Plugg. connector with CAGE CLAMP® (WAGO series 734) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0,08-1,5 mm ² / AWG 28-16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stripped length | 7 mm / 0.28 in | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMC-test IEC 801-2/4/5 | Grade B met acc.to EN50082 P.2 (3.94) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |