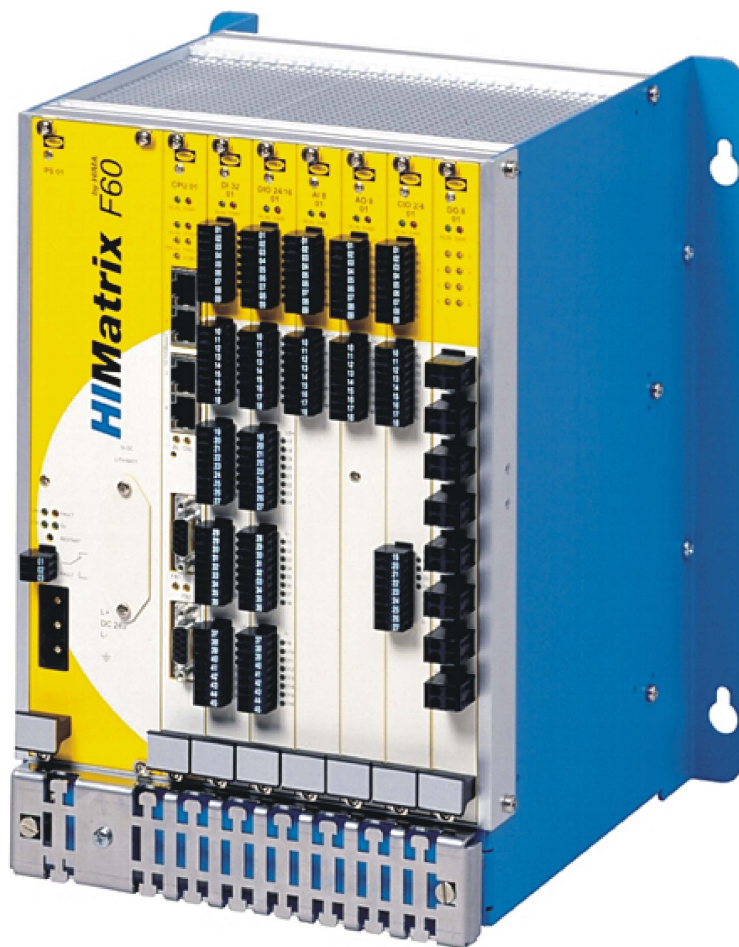


HIMatrix

Safety-Related Controller

CPU 01 Manual



HIMA Paul Hildebrandt GmbH + Co KG
Industrial Automation

3.5 Product Data

| General | |
|----------------------|--|
| User memory | Versions up to 6.46 max. 500 kB user program max. 500 kB user data Version 6.100 max. 2047 kB user program max. 2047 kB user data Version 7 and higher max. 1023 kB user program max. 1023 kB user data |
| Response time | ≥ 20 ms |
| Ethernet interfaces | 4 x RJ-45, 10BASE-T/100BASE-Tx with integrated switch |
| Fieldbus interfaces | 2 x 9-pole D-sub FB1 and FB2 with fieldbus submodule pluggable |
| Operating voltage | 24 VDC, -15...+20 %, $r_{PP} \leq 15\%$, from a power supply unit with safe insulation in accordance with IEC 61131-2 |
| Operating data | 3.3 VDC / 1.5 A 5 VDC / 0.1 A |
| Buffer for date/time | Gold capacitor |
| Ambient temperature | 0...+60 °C |
| Storage temperature | -40...+85 °C |
| Space requirement | 6 RU, 4 HP |
| Weight | 280 g |

Table 17: Product Data

3.6 Certified HIMatrix F60 CPU 01

| HIMatrix F60 CPU 01 | |
|-----------------------------------|--|
| CE | EMC, ATEX Zone 2 |
| TÜV | IEC 61508 1-7:2000 up to SIL 3 IEC 61511:2004 EN ISO 13849-1:2008 up to Cat. 4 und PL e |
| TÜV ATEX | 94/9/EG EN 1127-1 EN 61508 |
| UL Underwriters Laboratories Inc. | ANSI/UL 508, NFPA 70 – Industrial Control Equipment CSA C22.2 No.142 UL 1998 Software Programmable Components NFPA 79 Electrical Standard for Industrial Machinery IEC 61508 |
| FM Approvals | Class I, DIV 2, Groups A, B, C and D Class 3600, 1998 Class 3611, 1999 Class 3810, 1989 Including Supplement #1, 1995 CSA C22.2 No. 142 CSA C22.2 No. 213 |
| PROFIBUS Nutzerorganisation (PNO) | Test Specification for PROFIBUS DP Slave, Version 3.0 November 2005 |
| TÜV CENELEC | Railway applications EN 50126: 1999 up to SIL 4 EN 50129: 2001 up to SIL 4 EN 50129: 2003 up to SIL 4 |

Table 18: Certificates