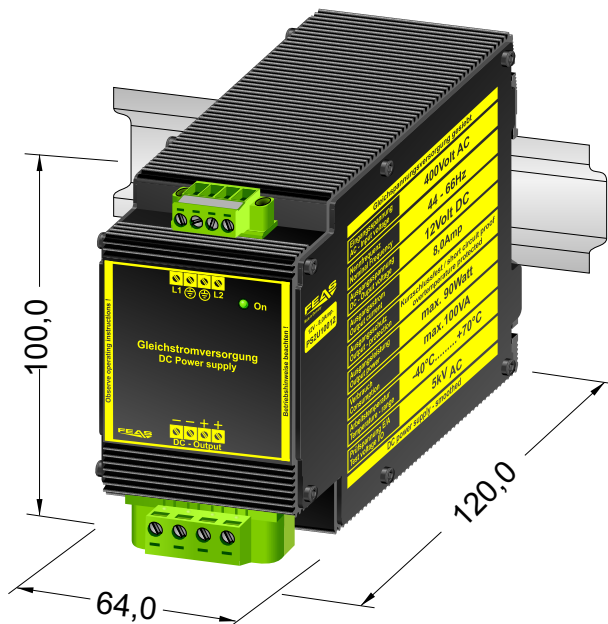


Data sheet

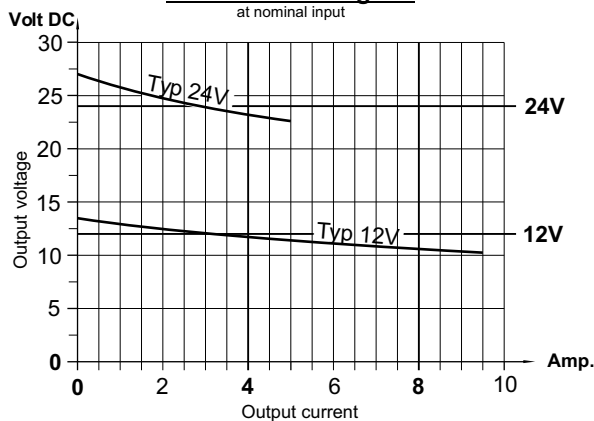
Power supply screened/smoothed: PS2U10012

Technical data



CE - konform

Load current diagram
at nominal input



| Products of the series: | | |
|-------------------------|-----------|-----------|
| Typ | PS2U10012 | PS2U10024 |
| Order number | 582665 | 582656 |
| Output voltage | 12VDC | 24VDC |
| Output current | 8,0A | 4,0A |

General data

| | |
|---------------------|--------------------------------|
| Typ | PS2U10012 |
| FEAS Order number | 582665 |
| Product description | Power supply screened/smoothed |
| Product function | DC Power supply |

Input data

| | |
|-------------------------------|--------------------|
| AC input voltage | 400V _{AC} |
| frequency | 45 - 66Hz |
| Input voltage tolerance | -15% bis +15% |
| Input current at nominal load | max. 0,4A |
| Consumption | max. 100VA |

Output data

| | |
|-------------------------------------|-------------------|
| Output voltage U _{nominal} | 12V _{DC} |
| Range of adjustment | - - - |
| Output current I _{nominal} | 8,0A |
| Current limitig | - - - |
| Power | 96 Watt |
| Residual ripple (100Hz) | < 3% |

Operation data

| | |
|-----------------------------|--|
| duty circle | 100% |
| Efficiency | approx. 88% |
| Parallel connection | Yes |
| Operating temperature range | -40°C to +70°C |
| Storage temperature range | -40°C to +105°C |
| Temperature coefficient | < 500ppm / K |
| Derating | from 50°C |
| Cooling | selfcooling recommended respective distance 15mm each |
| Installation altitude | unlimited |
| MTBF | > 400.000h |

Safety devices

| | |
|---------------------|---|
| Fuse for input | 1,25A, delayed |
| Fuse for output | not necessary - cont. short-circuit proof |
| Overload protection | integrated into the device |
| Hold up time | 20 ms typ. |

Safety data

| | |
|----------------------------|--|
| Test voltage transformer | 5kV _{AC} acc. to VDE0551 |
| High voltage resistance | Input/Output 4,4kV _{AC} accord. VDE0806/IEC380 |
| Degree of EMI suppresion | < K acc. to VDE 0875 and VDE 0877 |
| Protection class | Class 1 with PE-Connection (EN 60950) |
| Extra low safety potential | PELV (EN60204), SELV (EN 60950) |
| Ambient humidity | 95% relative humidity, yearly average dewing allowed for use in tropical ambient |
| Protective class enclosure | IP 65 |
| Protective class terminals | IP 20 (VGB4) |
| Vibration proof | >30g at 33Hz in X, Y and Z acc. to IEC 60068-2-27 |

Status & Signal

| | |
|------------------|---------------|
| Status indicator | LED Operating |
| Signals | - |

Applied construction regulations

| | |
|------------------|---|
| according to VDE | VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806 |
| IEC | IEC380, IEC60950, IEC61000-6-1-2 |
| EN | EN60950, EN50082-1, EN61000-6-1-2, EN 50178, EN50204, EN61558-2-17, EN20204, EN 60068, EN45501, En50021 |
| CSA/UL | CSA-C 22.2 / UI60950, UI508, UL1950 |

Mechanical data

| | |
|------------------------|---|
| Mounting | on DIN rails or wall mounting with screws |
| Dimensions (W x H x D) | 47mm x 100mm x 120mm |
| Weight | approx. 1,3kg |

Notes / Comments



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