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TECHNOLOGY GROUP

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**Expert team | Trust guarantee | 100% satisfaction**

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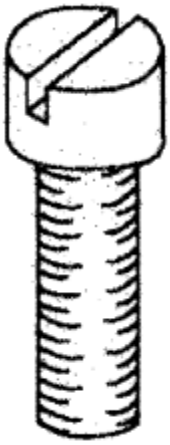
Find the *Phoenix Contact CM 90-PS-230AC/2x12 DC/1* at our website: *Click HERE*

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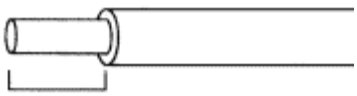
# CM 90-PS-…AC/2x12 DC/1



Input: 120 V AC or 230 V AC
Output: 2x12 V DC/1 A
Housing width 90



M 2,5



8

| | (IEC) [mm²] | rigid solid | flexible stranded | AWG |
|---|---|---|---|---|
| Connection data | | 0.2-2.5 | 0.2-2.5 | 24-14 |

**Reliable isolation acc. to DIN VDE 0106-101**

F C (GL/SEV only 230 AC)

| Description | Type | Order No. | Pcs. / Pkt. |
|---|---|---|---|
| **Compact power supply unit,** common mode | **CM 90-PS-110 AC/2x12 DC/1** | **29 43 79 6** | 1 |
| | **CM 90-PS-230 AC/2x12 DC/1** | **29 43 78 3** | 1 |



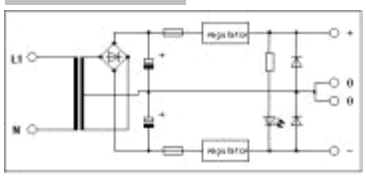
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| Technical data | | CM 90-PS-110 AC/… | CM 90-PS-230 AC/… |
|---|---|---|---|
| **Dimensions** | | | |
| Height | [mm] | 146 | |
| Length | [mm] | 75 | |
| Width | [mm] | 90 | |
| **Input** | | | |
| Input voltage +6% -10% | | 120 V AC | 230 V AC |
| Frequency | | 50 Hz/60 Hz | 50 Hz/60 Hz |
| Power consumption with rated load | | 65 VA | 65 VA |
| Input fuse | | thermal fuse | thermal fuse |
| **Output** | | | |
| Output voltage | | 12 V DC ± 4 % | |
| Output continuous current [2]) | | 2 x 1 A | |
| Residual ripple at $U_N$ | | < 30 $mV_{pp}$ | |
| Output fuse (5x20 mm) acc. to IEC 127-2/EN 60127-2 | | 2 x 1.8 A fast, | 2 x 1 A fast |
| Output protective circuit | | damping diode, varistor | |
| **General data** | | | |
| Test voltage input/output | | 4 kV, 50 Hz, 1 min. | |
| Ambient temperature range | | 0 °C to +60 °C | |
| Rated operating mode | | 100% ED | |
| Standards/regulations | | IEC 664/IEC 664A/DIN VDE 0110-1:1989-01<br>DIN VDE 0551 | |
| Electromagnetic compatibility | | **C** - in conformance with EMC guideline 89/336/EEC | |
| • Emitted interference | | EN 50 081-2 | |
| • Immunity | | EN 50 082-2 | |
| Installation position | | on horizontal mounting rails,<br>venting slots top and bottom | |
| Type of connection | | screw connection | |
| Mounting | | in rows w/spacing ≥ 10 mm | |
| Type of protection in acc. with IEC 529/EN 60529/DIN VDE 0470 | | IP 20 | |
| Weight | | 1.5 kg | |

[1]) **See derating curve!**

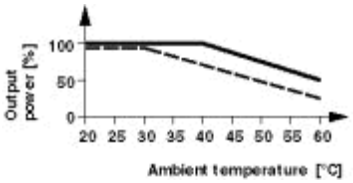
**Block diagram**



**Diagram**



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