#### PM-0112-070-0



## Advantages

Stabilised and adjustable output voltage

Low stand-by consumption <1 W

Constant current characteristic

DC OK signalling

Parallel operation optien

Push-in terminals

Panel installation on mounting rails

Conform to EN 60335-1

### **Applications**

Efficient, primary switched mode power supply in slim plastic housing. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology as well as industrial and building automation. The devices cover the lower and average power requirements from 25 W to 100 W. Versions with 12 V, 24 V, and 48 V are available, enabling a whole range of applications. A version with 3.8 A rated current is available for establishing NEC Class 2 circuits. All power supplies also comply with the EN 60335-1 standard for domestic appliances. The output voltage can be easily set using the rotary potentiometer on the front of the housing. The DIN rail fastening method and push-in connection terminals enable fast and secure mounting.

#### Standards

Primary switched mode power supply to UL 60950, UL 508

EN 61558-2-16, EN 60950-1, EN 60335-1

EMC:

EN 61204-3

Approvals







UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd



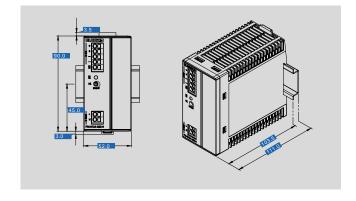


Order Number

# Single phase, primary switched mode power supply **PM-0112-070-0**

| Input   Input   Input add vibrage   Input voltage range   Input voltage range   Input voltage area   Input voltage area   Input voltage area   Input voltage derating   2-25 %/Vac < 95 Vac   Vac < 95 Vac   Vac   Vac   Input voltage derating   2-25 %/Vac < 95 Vac   Vac < 95 Vac   Vac < 95 Vac    |   |                                     |
|--|---|-------------------------------------|
| Input reted voltage   100 - 240 Vac  | Type  | PM-0112-070-0                       |
| Input voltage range  | Input   |                                     |
| Rated frequency range  | Input rated voltage                           | 100 - 240 Vac                       |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   | Input voltage range                           | 85 - 264 Vac (120 - 373 Vdc)        |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   | Input voltage derating                        | -2.5 %/Vac < 95 Vac                 |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   | 1   | 44 Hz - 66 Hz / 0 Hz                |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   | . , ,   | 1.87 A (100 Vac) / 0.94 A (240 Vac) |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   | 1 -   |                                     |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   |   | •                                   |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   |   |                                     |
| Recommended back-up fuse (circuit breaker)  Mains buffering Transient surge voltage protection  Output  Output tated voltage Output voltage range Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection  Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Signal output  Status indicator  Etal signal output  Signal output  Storage temperature Approvals  Approvals  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ander and make and signal output storage temperature Ander temperature Ander temperature Ander temperature Ander temperature Ander temperature Derating Mounting position Cooling method Required minimum spacing (over/under) Safety and protection  Protection index Safety class  I 2 Vdc Varistor  12 Vdc Varistor Varistor  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  12 Vdc  11,5 - 14,5 Vdc  Varistor  Varistor  11,5 - 14,5 Vdc  Varistor  7 A  7,7 8 A (constant current) No  7 es  8 A (10 N 2 N 2 W 230 Vac)  No  7 es  9 Se Ves Sel ves  19.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  25 Vdc  25 Vdc  25 Vdc  25 Vdc  25 Vdc  26 96 96  Signaling  Typ. switching threshold for LED and signal output Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED green Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  LED it permanently  Active high signal Uout > typ. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature  Abstract convection  No  No  No  Abtural convection  No  No  No  No  Abtural convection  No  No  No  No  No  No  No  No  No   |   |                                     |
| Mains buffering 15 ms (100 Vac) / 80 ms (230 Vac)  Varistor  Output  Output voltage protection  Output voltage range 11.5 - 14.5 Vdc  Output limited current 7 A  Output limited current 7.2 m. 8 A (constant current)  Class 2 output (UL Limited Power Source, LPS) No  Parallel connection Yes  Serial operation Yes  Power dissipation, no load/rated load 4.1 W / 16.2 W (230 Vac)  Max. power losses 19.8 W (100 Vac / 12 V / 7 A)  Resistance to reverse feed max. 25 Vdc  Outer-voltage-protection max. 32 Vdc  Efficiency 86 96  Signaling  Typ. switching threshold for LED and signal output (IOC OK)  Status indicator Uout > yp. 10 Vdc  LED green Uout > yp. 10 Vdc  LED lit permanently  Active high signal Uout > yp. 10 Vdc  LED lit permanently  Active high signal  Uout > yp. 10 Vdc  max. 40 mA@12 Vdc  short circuit proof  Approvals  Approvals  Approvals  CURus, cULus, GL  Environment  Storage temperature -25° C +85° C  Ambient temperature -25° C +70° C  Derating -3 96/K > +50° C  Mounting position Natural convection  Required minimum spacing (left/right) 0 mm  Required minimum spacing (lover/under) 50 mm  Safety and protection  Protection index  Signety class  In 20  In without PE connection   | · Input ruse internal                         |                                     |
| Transient surge voltage protection  Output  Output rated voltage Output voltage range Output voltage range Output rated current Output limited output limited load Output limited loa | Recommended back-up fuse (circuit breaker)    | characteristic B, C                 |
| Output Voltage range Output voltage range Output voltage range Output rated current Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max. power losses Ripple factor Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK) Status indicator  LED green Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals Approvals  Environment  Storage temperature Ambient temperature Ambient temperature Derating Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (left/right) Required minimum spacing (lover/under) Safety and protection Protection index Safety class  I 2 Vdc II, yithout PE connection Ves  | Mains buffering                               |                                     |
| Output rated voltage Output voltage range Output rated current Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection  Status indicator  Status indicator  Signal output  Signal output  Approvals  Approvals  Approvals  Environment  Storage temperature Approtection  Storage temperature Approvals  Approvals  Curred Approtection  Storage temperature Approvals  Curred Approvals  Approvals  Approvals  Curred Approvals  Approvals  Approvals  Approvals  Curred Approvals  Approvals  Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Approvals  Approvals  Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals  Approvals  Curred Approvals |   | Varistor                            |
| Output voltage range Output limited current Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max. power losses Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK) Status indicator  LED green Uout > typ. 10 Vdc LED litt permanently Active high signal Uout > typ. 10 Vdc Signal output  Approvals Approvals Approvals  Approvals  Approvals CURus, CULus, GL Environment Storage temperature Ambient temperature Ambient temperature Ocoling method Required minimum spacing (left/right) Required minimum spacing (left/right) Required minimum spacing (ver/under) Safety and protection Protection index Signet (UL LEC) (UL LEC) (Unimax (Unimax)  |   |                                     |
| Output rated current Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max power losses Ripple factor Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Signal output  Signal output  Class 2 output (UL Limited Power Source, LPS) No Parallel connection Yes  19.8 W (100 Vac / 12 V / 7 A) W (100 Vac  |   |                                     |
| Output limited current Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max. power losses Ripple factor Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  CUC US  Approvals  Approvals  Approvals  Environment  Storage temperature Ambient temperature Ambient temperature Amounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (lover/under) Safety and protection Protection index Safety class  No  | . 0 0   |                                     |
| Class 2 output (UL Limited Power Source, LPS) Parallel connection Serial operation Power dissipation, no load/rated load Max. power losses Ripple factor Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Coulty typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc Environment  Storage temperature Ambient temperature Ambient temperature Poreating Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (left/right) Required minimum spacing (lover/under) Safety and protection Protection index Safety class  IN 188 W (1200 Vac) Vac W (1230 Vac) Val W (1200 Vac) Val W (120 | Output rated current                          | 7 A                                 |
| Parallel connection Serial operation Yes  Serial operation Yes  Power dissipation, no load/rated load Max. power losses Ripple factor Resistance to reverse feed max. Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Coulty by 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc ED lit permanently Coulty max. 40 mA@12 Vdc Short circuit proof  Approvals  Environment  Storage temperature Ambient temperature Poerating Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index IP 20 Safety class  II, without PE connection   | Output limited current                        | 7.7 8 A (constant current)          |
| Serial operation Power dissipation, no load/rated load Max. power losses Ripple factor Resistance to reverse feed max.  Over-voltage-protection Efficiency Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Coulty > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc Short circuit proof  Approvals  Environment  Storage temperature Ambient temperature Ambient temperature Person Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index IP 20 Safety class  II, without PE connection  | Class 2 output (UL Limited Power Source, LPS) | No                                  |
| Power dissipation, no load/rated load  Max. power losses  Ripple factor  Resistance to reverse feed max.  Over-voltage-protection  Efficiency  Signaling  Typ. switching threshold for LED and signal output  (DC OK)  Status indicator  Signal output  Signal output  Signal output  CD OK   COR Over-voltage-protection  ELD green  Uout > typ. 10 Vdc  LED lit permanently  Active high signal  Uout > typ. 10 Vdc  LED lit permanently  Active high signal  Uout > typ. 10 Vdc  LED lit permanently  Active high signal  Uout > typ. 10 Vdc  END lit permanently  CURUS, CULUS, GL  Environment  Storage temperature  Ambient temperature  Pose C +85° C  Approvals  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  IP 20  Safety class  II, without PE connection   | Parallel connection                           | Yes                                 |
| Max. power losses Ripple factor Resistance to reverse feed max.  Over-voltage-protection Efficiency  Signaling Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Color ax. 40 mA@12 Vdc short circuit proof  Approvals  Environment  Storage temperature Ambient temperature Amounting position  Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Revered  Storage Vdc Safety class  II 9.8 W (100 Vac / 12 V / 7 A)  typ. 20 mVss  Lyp. 20 mVss  LED green Uout > typ. 10 Vdc LED lit permanently  - Uout > typ. 10 Vdc LED lit permanently  - Uout > typ. 10 Vdc LED lit permanently  - CURus, Ama@12 Vdc short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature - 25° C +85° C - 3 %/K > +50° C  horizontal for standard rail DIN TH 35  Natural convection  Protection index  IP 20  Safety class  II, without PE connection  | Serial operation                              | Yes                                 |
| Resistance to reverse feed max.  Over-voltage-protection  Efficiency  Signaling  Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  ED green  Uout > typ. 10 Vdc  LED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  CURUS, CULUS, GL  Environment  Storage temperature  Ambient temperature  Ambient temperature  -25° C +85° C  Amounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  IP 20  Safety class  II, without PE connection   | Power dissipation, no load/rated load         | <1 W / 16.2 W (230 Vac)             |
| Resistance to reverse feed max.  Over-voltage-protection  Efficiency  Signaling  Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  ED green  Uout > typ. 10 Vdc  LED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  Active high signal  Uout > typ. 10 Vdc  ED lit permanently  CURUS, CULUS, GL  Environment  Storage temperature  Ambient temperature  Ambient temperature  -25° C +85° C  Amounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  IP 20  Safety class  II, without PE connection   | · · · · · · · · · · · · · · · · · · ·         | 19.8 W (100 Vac / 12 V / 7 A)       |
| Resistance to reverse feed max.  Over-voltage-protection  Efficiency  Signaling  Typ. switching threshold for LED and signal output (DC OK)  Status indicator  LED green Uout > typ. 10 Vdc LED lit permanently  Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature Ambient temperature Perating Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  IF 20  Required minimum spacing In the safety class  LED green LOUX > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof Approvals  CURus, cULus, GL Environment Storage temperature -25° C +85° C Abic and a signal output Approvals LED green     | •   |                                     |
| Over-voltage-protection  Efficiency  Signaling  Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Approvals  Approvals  Approvals  Environment  Storage temperature  Ambient temperature  Derating  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Signal output  | **  | **                                  |
| Efficiency  Signaling  Typ. switching threshold for LED and signal output (DC OK)  Status indicator  Status indicator  Signal output  Signal output  Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature  Ambient temperature  -25° C +85° C  Ambient temperature  -25° C +70° C  Derating  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  ILED green  LED green  LED untpean  - Uout > typ. 10 Vdc  LED lit permanently  - Uout > typ. 10 Vdc  max 40 mA@12 Vdc  short ends of type   Uout > typ. 10 Vdc  max 40 mA@12 Vdc  short ends of type   Uout >          |   |                                     |
| Signaling  Typ. switching threshold for LED and signal output (DC OK)  LED green  Uout > typ. 10 Vdc LED lit permanently  Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature Ambient temperature 2-25° C +85° C Ambient temperature 2-25° C +70° C Derating Ao/K > +50° C Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  II, without PE connection   | • 1   |                                     |
| Typ. switching threshold for LED and signal output (DC OK)  LED green Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature Ambient temperature Perating Amounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  LED green LED green LED green Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  CURus, cULus, GL  Environment  Storage temperature -25° C +85° C Ambient temperature -25° C +70° C Derating -3 %/K > +50° C Abustant convection  Natural convection  Protection index IP 20 Safety class  |   | 30 70                               |
| Status indicator  Status indicator  Signal output  Signal output  Approvals  Approvals  Approvals  Environment  Storage temperature  Ambient temperature  Out > 40/K > 40/K > 450° C  Ambient temperature  Ambient demperature  Out > 40/K > 40/K > 40/K > 40 ° C  Ambient demperature  Ambient demperature  Out > 40/K > 40/ | 0 0   |                                     |
| Status indicator  LED green Uout > typ. 10 Vdc LED lit permanently Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature Ambient temperature Derating Amounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  LED green Uout > typ. 10 Vdc LED lit permanently  CURus, cULus, GL  EURus, culus, c |   | -                                   |
| Status indicator    Coulty   |   | LED green                           |
| Signal output  Signal output  Active high signal Uout > typ. 10 Vdc max 40 mA@12 Vdc short circuit proof  Approvals  Approvals  Environment  Storage temperature Ambient temperature -25° C +85° C Ambient temperature -25° C +70° C Derating Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  IL D lit permanently  LED lit permanently  Active high signal Uout > typ. 10 Vdc max 40 mA@12 Vdc short circuit proof  CURus, cULus, GL  ENVIRON CURUS, GL  ENVIRON CO University  Approvals  CURus, cULus, GL  LOVA  Approvals  CURus, cULus, GL  LOVA CURUS, GL  ENVIRON CO University  Approvals  LED lit permanently  Active high signal Uout > typ. 10 Vdc max 40 mA@12 Vdc short circuit proof  Approvals  CURus, cULus, GL  LOVA CURUS, GL  Environment  Storage temperature  -25° C +70° C  Derating  Approvals  LOVA CURUS, CULus, GL  Environment  Storage temperature  -25° C +70° C  Derating  Approvals  LOVA CURUS, CULus, GL  Environment  Storage temperature  -25° C +70° C  Derating  Approvals  LOVA CURUS, CULus, GL  Environment  -25° C +70° C  Derating  Approvals  LOVA CURUS, CULus, GL  Environment  Storage temperature  -25° C +70° C  Derating  Approvals  LOVA CURUS, CULus, GL  Environment  Storage temperature  -25° C +70° C  Derating  Approvals  Approvals  LOVA CURUS, CULus, GL  Environment  -25° C +85° C  -346 C .   | Status indicator                              |                                     |
| Active high signal Uout > typ. 10 Vdc max. 40 mA@12 Vdc short circuit proof  Approvals  Approvals  CURus, cULus, GL  Environment  Storage temperature Ambient temperature -25° C +85° C  Ambient temperature -25° C +70° C  Derating -3 %/K > +50° C  Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  Il, without PE connection  |   | **                                  |
| Approvals  Approvals  CURus, cULus, GL  Environment  Storage temperature  Ambient temperature  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  Approvals  CURus, cULus, GL  CURus, cULus, GL  CURus, cullus, cullu |   |                                     |
| Approvals  Approvals  Environment  Storage temperature  Ambient temperature  -25° C +85° C  Ambient temperature  -25° C +70° C  Derating  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  IP 20  Safety class  II, without PE connection   | Oi-mal autout                                 | Uout > typ. 10 Vdc                  |
| Approvals  Approvals  Environment  Storage temperature  Ambient temperature  Derating  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  LURus, cULus, GL  CURus, cULus, GL  Author  COB  Natural convection  Notional In Sandard rail DIN TH 35  O mm  Safety and protection  Protection index  IP 20  Safety class  II, without PE connection  | Signal output                                 | max. 40 mA@12 Vdc                   |
| Approvals  Environment  Storage temperature  Ambient temperature  -25° C +85° C  Ambient temperature  -25° C +70° C  Derating  -3 %/K > +50° C  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class    CURus, CULus, GL  -25° C +70° C  -25° C +85° C  -25° C +70°   |   | short circuit proof                 |
| Environment  Storage temperature Ambient temperature -25° C +85° C Ambient temperature -25° C +70° C Derating -3 %/K > +50° C Mounting position Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under) Safety and protection  Protection index Safety class II, without PE connection  | Approvals                                     |                                     |
| Storage temperature  Ambient temperature  -25° C +85° C  -25° C +70° C  Derating  -3 %/K > +50° C  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  II, without PE connection   | II  | cURus, cULus, GL                    |
| Ambient temperature  Derating  Ambient temperature  -25° C +70° C  -3 %/K > +50° C  Mounting position  Cooling method  Required minimum spacing (left/right)  Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  I, without PE connection   |   |                                     |
| Derating -3 %/K > +50° C  Mounting position horizontal for standard rail DIN TH 35  Cooling method Natural convection  Required minimum spacing (left/right) 0 mm  Required minimum spacing (over/under) 50 mm  Safety and protection  Protection index IP 20  Safety class II, without PE connection  |   |                                     |
| Mounting position horizontal for standard rail DIN TH 35  Cooling method Natural convection  Required minimum spacing (left/right) 0 mm  Required minimum spacing (over/under) 50 mm  Safety and protection  Protection index IP 20  Safety class II, without PE connection  | •   |                                     |
| Cooling method Required minimum spacing (left/right) Required minimum spacing (over/under) Safety and protection Protection index Safety class II, without PE connection   | Derating                                      |                                     |
| Required minimum spacing (left/right) Required minimum spacing (over/under)  Safety and protection  Protection index Safety class  II, without PE connection   | Mounting position                             |                                     |
| Required minimum spacing (over/under)  Safety and protection  Protection index  Safety class  II, without PE connection  | Cooling method                                | Natural convection                  |
| Safety and protection  Protection index IP 20 Safety class II, without PE connection   | Required minimum spacing (left/right)         | 0 mm                                |
| Safety and protection  Protection index IP 20 Safety class II, without PE connection   | Required minimum spacing (over/under)         | 50 mm                               |
| Safety class II, without PE connection   | · · ·   |                                     |
| ,  | Protection index                              | IP 20                               |
| Order numbers  | Safety class                                  | II, without PE connection           |
|  | Order numbers                                 |                                     |

|            | Туре   | PM-0112-070-0           |
|------------|--|-------------------------|
| 30         | Input  |                         |
| ``_        | Connections input (direct plug-in technology Push-In)      | max 2,5 mm <sup>2</sup> |
| tа         | Output   |                         |
| al data    | Connections output (direct plug-in technology Push-In)     | max 2,5 mm <sup>2</sup> |
| jĊ         | Signaling  |                         |
| Mechanical | Connections signalling (direct plug-in technology Push-In) | max 2,5 mm <sup>2</sup> |
| Иe         | Measures and weights                                       |                         |
| _          | Weight   | 0.40 kg                 |
|            | Dimension (W x H x D)                                      | 52 x 90 x 103.5 mm      |



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