

# ASIABLM3024

regulated switch mode power supply - AS-I -  
100..240 V - 30+24 V - 2.4+3 A

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 852.00 USD



## Main

|                             |                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------|
| Commercial Status           | Commercialised                                                                                      |
| Range of product            | Phaseo AS-Interface                                                                                 |
| Product or component type   | Power supply                                                                                        |
| Power supply type           | Regulated switch mode                                                                               |
| Output voltage              | 30 V DC for AS-Interface line<br>24 V DC for control equipment                                      |
| Rated power in W            | 72 W                                                                                                |
| Input voltage               | 100...240 V AC single phase, terminal(s): N-L1<br>100...240 V AC phase to phase, terminal(s): L1-L2 |
| Power supply output current | 2.4 A at 30 V<br>3 A at 24 V                                                                        |
| Operating position          | Vertical                                                                                            |

## Complementary

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input voltage limits     | 85...264 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Network frequency limits | 47...63 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Input voltage tolerance  | - 15...10 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inrush current           | < 30 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cos phi                  | 0.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Efficiency               | > 83 % at 30 V<br>> 80 % at 24 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power dissipation in W   | 14.7 W at 30 V<br>36 W at 24 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Current consumption      | 1 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Input protection type    | Integrated fuse (not interchangeable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Output voltage limits    | 100...120 % adjustable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Line and load regulation | 3 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Residual ripple          | 300 mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Holding time             | >= 10 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Output protection type   | Against undervoltage, protection technology: tripping if $U < 0.95 \times U_n$ , output voltage = 30 V<br>Against undervoltage, protection technology: tripping if $U < 0.8 \times U_n$ , output voltage = 24 V<br>Against short-circuits, protection technology: automatic reset<br>Against overvoltage, protection technology: tripping if $U > 1.5 \times U_n$ , output voltage = 24 V<br>Against overvoltage, protection technology: tripping if $U > 1.2 \times U_n$ , output voltage = 30 V<br>Against overload, protection technology: $1.1 \times I_n$                                                                                                                                                                                                                                                           |
| Connections - terminals  | Screw type terminals for output ground connection, connection capacity: $2 \times 2.5 \text{ mm}^2$ , number of terminals = 2, cable cross section = $0 \text{ in}^2$ (2.5 mm <sup>2</sup> )AWG gauge14<br>Screw type terminals for input ground connection, connection capacity: $1 \times 2.5 \text{ mm}^2$ , number of terminals = 1, cable cross section = $0 \text{ in}^2$ (2.5 mm <sup>2</sup> )AWG gauge14<br>Screw type terminals for input connection, connection capacity: $2 \times 2.5 \text{ mm}^2$ , number of terminals = 2, cable cross section = $0 \text{ in}^2$ (2.5 mm <sup>2</sup> )AWG gauge14<br>Screw type terminals for AS-Interface line, connection capacity: $4 \times 2.5 \text{ mm}^2$ , number of terminals = 4, cable cross section = $0 \text{ in}^2$ (2.5 mm <sup>2</sup> )AWG gauge14 |
| Mounting support         | 35 mm symmetrical DIN rail<br>75 mm symmetrical DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Name of test                    | Vibration conforming to EN/IEC 61131-2<br>Rapid transient conforming to IEC 61000-4-4 level 3<br>Radiated electromagnetic field conforming to EN/IEC 61000-4-3<br>Primary outage conforming to IEC 61000-4-11<br>Induced electromagnetic field conforming to EN/IEC 61000-4-6<br>Emission conforming to EN 61000-6-3<br>Electrostatic discharges conforming to EN/IEC 61000-4-2<br>Conducted/Radiated emissions conforming to EN 55022 Class B |
| Meantime between failure (MTBF) | > 100000 h at 104 °F (40 °C)                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Status LED                      | 1 LED orange for input voltage<br>1 LED green for output voltage (30 V)<br>1 LED green for output voltage (24 V)                                                                                                                                                                                                                                                                                                                               |
| Product weight                  | 2.87 lb(US) (1.3 kg)                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | CSA 22-2 No 950<br>TUV 60950-1<br>UL 508                                                                                                    |
| Environmental characteristic          | Safety conforming to EN 60950-1<br>EMC conforming to EN/IEC 61000-6-2<br>EMC conforming to EN 55022 Class B<br>EMC conforming to EN 50081-1 |
| IP degree of protection               | IP20 conforming to EN/IEC 60529                                                                                                             |
| Ambient air temperature for operation | 122...140 °F (50...60 °C) with derating factor<br>32...122 °F (0...50 °C) without derating factor                                           |
| Ambient air temperature for storage   | -13...158 °F (-25...70 °C)                                                                                                                  |
| Relative humidity                     | 0...95 % without condensation or dripping water                                                                                             |
| Dielectric strength                   | 500 V between outputs<br>500 V between output and ground<br>3000 V between input and output<br>3000 V between input and ground              |

## Ordering and shipping details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Category              | 18325 - SERIPLEX SOFTWARE&CABLES DISC SPX2                |
| Discount Schedule     | SPX2                                                      |
| GTIN                  | 00785901706243                                            |
| Nbr. of units in pkg. | 1                                                         |
| Package weight(Lbs)   | 2.85                                                      |
| Product availability  | Non-Stock - Not normally stocked in distribution facility |
| Returnability         | N                                                         |
| Country of origin     | CN                                                        |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
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