

# Product datasheet

Specifications



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

ASIABLM3024

! Discontinued - Service only

! Discontinued on: 31-Dec-2022

! End-of-service on: 31-Dec-2022

### Main

Range Of Product	Phaseo AS-Interface
Product Or Component Type	Power supply
Power Supply Type	Regulated switch mode
Output Voltage	24 V DC for control equipment 30 V DC for AS-Interface line
Rated Power In W	72 W
Input Voltage	100...240 V AC phase to phase, terminal(s): L1-L2 100...240 V AC single phase, terminal(s): N-L1
Power Supply Output Current	3 A at 24 V 2.4 A at 30 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	80 % at 24 V 83 % at 30 V
Power Dissipation In W	36 W at 24 V 14.7 W at 30 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Output Protection Type	Against overload, protection technology: 1.1 x In Against overvoltage, protection technology: tripping if $U > 1.2 \times U_n$ , output voltage = 30 V Against overvoltage, protection technology: tripping if $U > 1.5 \times U_n$ , output voltage = 24 V Against short-circuits, protection technology: automatic reset Against undervoltage, protection technology: tripping if $U < 0.8 \times U_n$ , output voltage = 24 V Against undervoltage, protection technology: tripping if $U < 0.95 \times U_n$ , output voltage = 30 V
Connections - Terminals	AS-Interface line: screw type terminals 4 x 2.5 mm <sup>2</sup> , 4, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Input connection: screw type terminals 2 x 2.5 mm <sup>2</sup> , 2, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Input ground connection: screw type terminals 1 x 2.5 mm <sup>2</sup> , 1, cable cross section: 2.5 mm <sup>2</sup> (AWG 14) Output ground connection: screw type terminals 2 x 2.5 mm <sup>2</sup> , 2, cable cross section: 2.5 mm <sup>2</sup> (AWG 14)
Mounting Support	75 mm symmetrical DIN rail 35 mm symmetrical DIN rail
Operating Altitude	2000 m
Name Of Test	Rapid transient conforming to IEC 61000-4-4 level 3 Conducted/radiated emissions conforming to EN 55022 class B Electrostatic discharges conforming to EN/IEC 61000-4-2 Emission conforming to EN 61000-6-3 Induced electromagnetic field conforming to EN/IEC 61000-4-6 Primary outage conforming to IEC 61000-4-11 Vibration conforming to EN/IEC 61131-2 Radiated electromagnetic field conforming to EN/IEC 61000-4-3
Meantime Between Failure [Mtbtf]	100000 h at 40 °C
Status Led	1 LED (green) output voltage (24 V) 1 LED (green) output voltage (30 V) 1 LED (orange) input voltage
Net Weight	1.3 kg

## Environment

Product Certifications	UL 508 TUV 60950-1 CSA 22-2 No 950
Environmental Characteristic	EMC conforming to EN 50081-1 EMC conforming to EN 55022 class B EMC conforming to EN/IEC 61000-6-2 Safety conforming to EN 60950-1
Ip Degree Of Protection	IP20 conforming to EN/IEC 60529
Ambient Air Temperature For Operation	0...50 °C (without derating) 50...60 °C (with derating factor)
Ambient Air Temperature For Storage	-25...70 °C
Relative Humidity	0...95 % without condensation or dripping water
Dielectric Strength	3000 V between input and ground 3000 V between input and output 500 V between output and ground 500 V between outputs

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	13.5 cm

Package 1 Length	14.5 cm
Package 1 Weight	1.333 kg

## Contractual warranty

Warranty	18 months
----------	-----------