



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



EE-2001/2002

NPN to PNP Conversion Connector for Amplified Photomicrosensors

- Converts NPN output to PNP output by easy connection to amplified photomicrosensors
- Easy solution to achieve PNP output as required in the U.S. and Europe



Ordering Information

Applicable amplified photomicrosensor models					Part number
EE-SPX301	EE-SPY302	EE-SPZ301Y-01	EE-SPZ301W-02		EE-2001
EE-SPX401	EE-SPY402	EE-SPZ401Y-01	EE-SPZ401W-02		
EE-SPY301	EE-SPZ301-A	EE-SPZ301W-01	EE-SPZ301		
EE-SPY401	EE-SPZ401-A	EE-SPZ401W-01	EE-SPZ401		
EE-SX670/-A	EE-SX470	EE-SPY311	EE-SY671	EE-SB5V/-E	EE-2002
EE-SX671/-A	EE-SX471	EE-SPY312	EE-SY672	EE-SB5VC	
EE-SX672/-A	EE-SX472	EE-SPY411	EE-SPX303/403	EE-SB5M	
EE-SX673/-A	EE-SX473	EE-SPY412	EE-SPX311/411	EE-SB5MC	

Specifications

Note: $T_A = 25^\circ\text{C}$ (77°F), 65% RH

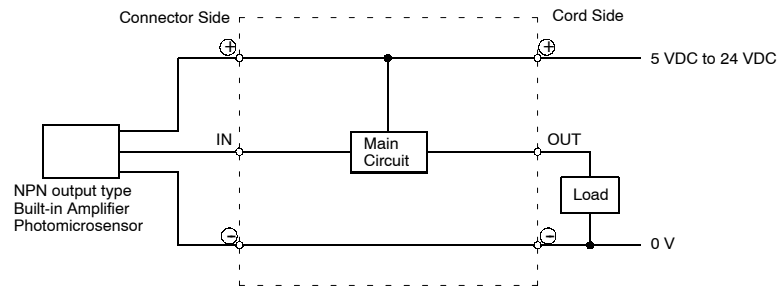
Item	Value	
Supply voltage*	5 V to 24 VDC $\pm 10\%$, ripple (p-p): 5% max.	
Consumption current	5 mA max. under the following conditions: Connector side: \oplus =open, short circuit between IN and \ominus Cord side: \oplus =26.4V, OUT= open, \ominus = 0 V	
Control output	100 mA max. (Residual voltage = 0.8 V max.)	
Ambient temperature	Operating	-10°C to 55°C (14°F to 131°F)
	Storage	-25°C to 65°C (-13°F to 149°F)
Ambient humidity	Operating	5 to 85% RH
	Storage	5 to 95% RH

*Use the indicated supply voltages for the specified products below:

Supply voltage	Part number
12 to 24 VDC $\pm 10\%$, ripple (p-p): 5% max.	EE-SPX303, EE-SPX403
5 to 15 VDC $\pm 10\%$, ripple (p-p): 5% max.	EE-SB5V/-E, EE-SB5VC
5 to 12 VDC $\pm 10\%$, ripple (p-p): 5% max.	EE-SB5M, EE-SB5MC

Operation

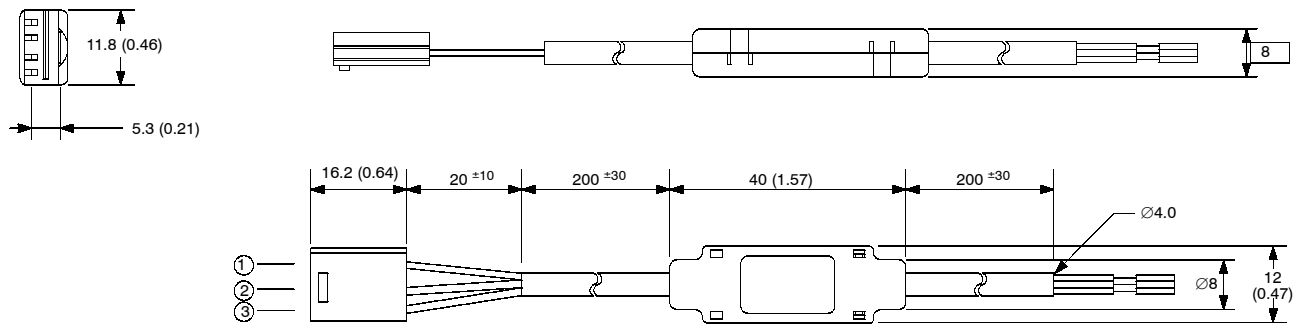
■ WIRING DIAGRAM



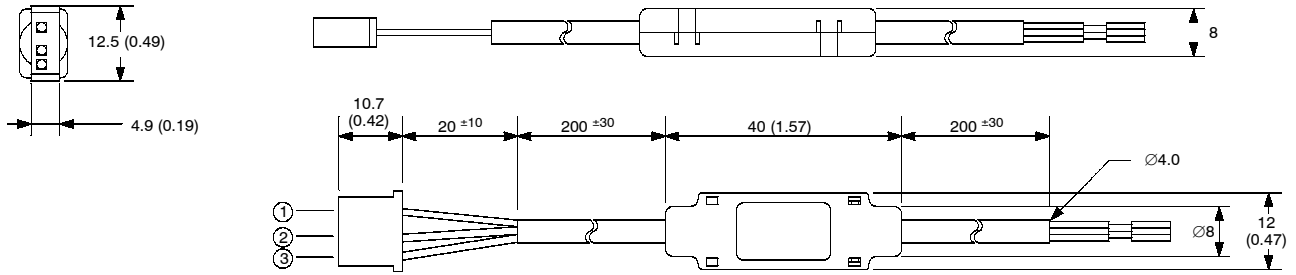
Dimensions

Unit: mm (inch)

■ EE-2001



■ EE-2002



Note: Insulator material of cable is vinyl chloride.

Terminal Arrangement

Connector side (sensor side)		Cord side (power supply side)	
Circuit no. (cable color)	Function	Cable color	Function
1 (Brown)	V _{CC} (+)	Brown	V _{CC} (+)
2 (Black)	Input (Sensor/output)	Black	Output
3 (Blue)	G (0)	Blue	G (0)

NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON[®]

OMRON ELECTRONICS LLC

One East Commerce Drive
Schaumburg, IL 60173

1-800-55-OMRON

OMRON ON-LINE

Global - <http://www.omron.com>

USA - <http://www.omron.com/oei>

Canada - <http://www.omron.com/oci>

OMRON CANADA, INC.

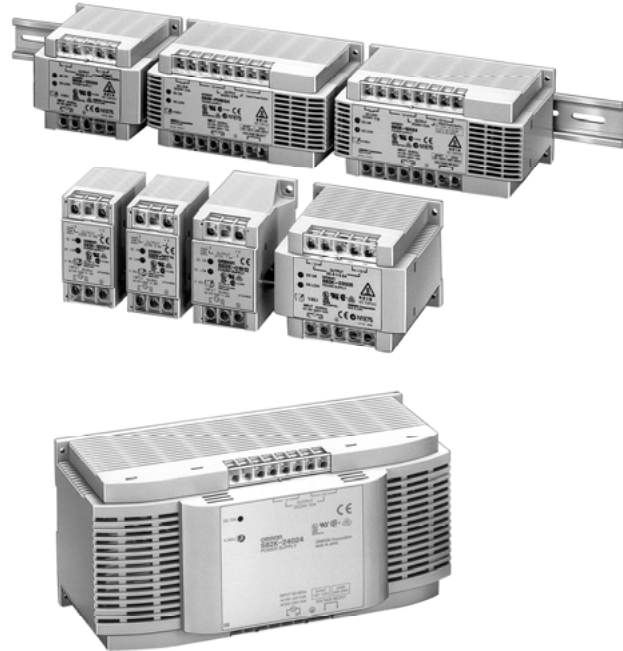
885 Milner Avenue
Toronto, Ontario M1B 5V8

416-286-6465

S82K

DIN-Rail Mount Power Supply with a Wide Power Range of 3 to 240 W

- Universal voltage range
- All models are UL 508 listed
- Class 2 approved on all models below 240-W, except dual-output types
- Undervoltage indicators on all. 90-W, 100-W and 240-W “T”-models have indicator and output
- PFC models meet EN61000-3-2 (limits for harmonic current emissions)
- Parallel operation capability (100-W and 240-W)
- Finger-safe terminal block with cover according to VDE0106/P100
- Approvals: UL, CSA, VDE, and CE
- 3-year warranty



Ordering Information

Rated input voltage	Power ratings	Output voltage	Output current	Function configuration			Part number								
				Output	Undervoltage alarm	PFC									
100 to 240 VAC	3 W	5 V	0.6 A	Single output	Indicator only	No	S82K-00305								
		12 V	0.25 A				S82K-00312								
		15 V	0.2 A				S82K-00315								
		24 V	0.13 A				S82K-00324								
	7.5 W	5 V	1.5 A				Dual output	Indicator only	No	S82K-00705					
		12 V	0.6 A							S82K-00712					
		15 V	0.5 A							S82K-00715					
		24 V	0.3 A							S82K-00724					
	15 W	5 V	+12 V/-12 V				0.3 A/0.2 A			Dual output	Indicator only	No	S82K-00727		
			+15 V/-15 V				0.2 A/0.2 A						S82K-00728		
			24 V				0.6 A						S82K-01505		
	30 W	5 V	12 V				1.2 A			Single output			Indicator only	No	S82K-01512
			24 V	0.6 A	S82K-01524										
			5 V	5.0 A	S82K-03005										
	50 W	12 V	24 V	1.3 A	Single output	Indicator only	No								S82K-03012
			24 V	2.1 A											S82K-03024
24 V			2.1 A	S82K-05024											

(This table continues on the next page.)

Rated input voltage	Power ratings	Output voltage	Output current	Function configuration			Part number
				Output	Undervoltage alarm	PFC	
120/240 VAC selectable	90 W	24 V	3.75 A	Single output	Indicator and output	No	S82K-P09024
						Yes	S82K-09024
	100 W	24V	4.2 A			No	S82K-P10024
						Yes	S82K-10024
120/230 VAC selectable	240 W	24 V	10 A	None	No	S82K-24024T	
					Yes	S82K-24024	
100 to 230 VAC						Yes	S82K-P24024

S82J

DIN-Rail Mounting Industrial Power Supplies with Capacity Up to 600 W

- Models range from 10 to 600 W
- UL 508 approval
- Class 2 approval available for models below 100 W
- Universal input or selectable input
- Wide range of output voltages: 5 V, 12 V, 15 V, or 24 V
- UL, CSA, VDE, and CE Approvals
- 3-Year warranty



Ordering Information

■ OPEN-FRAME TYPE POWER SUPPLIES

Rated input voltage	Power ratings	Output		Part number	
		Voltage	Current	Front-mounting bracket	DIN-rail mounting bracket
100 to 240 VAC	10 W	5 V	2 A	S82J-01005A	S82J-01005AD
		12 V	1 A	S82J-01012A	S82J-01012AD
		15 V	0.7 A	S82J-01015A	S82J-01015AD
		24 V	0.5 A	S82J-01024A	S82J-01024AD
	25 W	5 V	5 A	S82J-02505A	S82J-02505AD
		12 V	2.1 A	S82J-02512A	S82J-02512AD
		15 V	1.7 A	S82J-02515A	S82J-02515AD
		24 V	1.1 A	S82J-02524A	S82J-02524AD
	50 W	5 V	10 A	S82J-05005A	S82J-05005AD
		12 V	4.2 A	S82J-05012A	S82J-05012AD
		24 V	2.1 A	S82J-05024A	S82J-05024AD
	120 or 240 VAC (automatically selected)	100 W	5 V	20 A	S82J-10005A
12 V			8.5 A	S82J-10012A	S82J-10012AD
15 V			7 A	S82J-10015A	S82J-10015AD
100 to 240 VAC		24 V	4.5 A	S82J-10024A	S82J-10024AD
120 or 240 VAC (automatically selected)	150 W	24 V	6.5 A	S82J-15024A	S82J-15024AD

■ COVERED-FRAME TYPE POWER SUPPLIES

Rated input voltage	Power ratings	Output		Part number	
		Voltage	Current	Front-mounting bracket	DIN-rail mounting bracket
100 to 240 VAC	10 W	5 V	2 A	S82J-01005D	S82J-01005DD
		12 V	1 A	S82J-01012D	S82J-01012DD
		15 V	0.7 A	S82J-01015D	S82J-01015DD
		24 V	0.5 A	S82J-01024D	S82J-01024DD
	25 W	5 V	5 A	S82J-02505D	S82J-02505DD
		12 V	2.1 A	S82J-02512D	S82J-02512DD
		15 V	1.7 A	S82J-02515D	S82J-02515DD
		24 V	1.1 A	S82J-02524D	S82J-02524DD
	50 W	5 V	10 A	S82J-05005D	S82J-05005DD
		12 V	4.2 A	S82J-05012D	S82J-05012DD
		24 V	2.1 A	S82J-05024D	S82J-05024DD
	120 or 240 VAC (automatically selected)	100 W	5 V	20 A	S82J-10005D
100 to 240 VAC	12 V		8.5 A	S82J-10012D	S82J-10012DD
	15 V		7 A	S82J-10015D	S82J-10015DD
	24 V		4.5 A	S82J-10024D	S82J-10024DD
120 or 240 VAC (automatically selected)	150 W	24 V	6.5 A	S82J-15024D	S82J-15024DD

■ ENCLOSED-FRAME TYPE POWER SUPPLIES

Input voltage	Power rating	Output		Part number
		Voltage	Current	
120 or 230 VAC (selectable)	300 W	24 V	14.0 A	S82J-30024
	600 W	24 V	27.0 A	S82J-60024

- Note: 1. A mounting bracket is included with each power supply.
 2. To order without a mounting bracket (normally included with the 300 W or 600 W), add an "N" at the end of the part number.
 3. For other accessories, refer to the *Accessories* section that follows.

S8VS

Small Sized, DIN-Rail Mount Power Supply With LED Display

- Ultra-compact size 40 W x 95 H (60 W model)
- 3-digit, 7-segment LED display shows status at a glance for output voltage, output current, peak current, lifetime years, and run time hours
- Incorporates a maintenance forecast monitor that displays the remaining life of the power supply, displayed in years
- Run-Time monitor model displays how long the output has been on, displayed in thousands of hours
- 90 W model has two outputs; one for undervoltage output and the other is for either the lifetime monitor or run time monitor
- Approved by UL, cUL, UL508 Listed, Class 2 output (60 W only)
- CE marked
- Three-year warranty



Ordering Information

Power ratings	Type	Output voltage	Output current	Part number
60 W	Standard	24 V	2.5 A	S8VS-06024
	With maintenance forecast monitor			S8VS-06024A
	With total runtime monitor			S8VS-06024B
90 W	Standard		3.75 A	S8VS-09024
	With maintenance forecast monitor			S8VS-09024A
	With total runtime monitor			S8VS-09024B

S8TS

Block-type Power Supply Easily
Connects With Multiple Units and Offers
Many Output Combinations

- AC/DC Bus System
- Up to four blocks can be connected to increase power from 60 to 240 W
- N+1 redundant capability to highly reliable system
- Flexible connection for mult-output power supply (5 V, 12 V, 24 V outputs)
- Size consistency minimizes stock types
- UL 508 listed, Class 2 output and Class 1 Div. 2 approved
- Complies with EN6100-3-2 (limits for harmonic current)
- 3-year warranty



Ordering Information

■ BASIC BLOCK

Description		Part number	
Output voltage	Output current	With line bus connectors	Without line bus connector
24 V	2.5 A	S8TS-06024F-E1	S8TS-06024F
12 V		S8TS-03012F-E1	S8TS-03012F
5 V	5 A	—	S8TS-02505F

■ BUS LINE CONNECTOR

Type	Part number
AC line + DC line bus (for parallel operation)	S8T-BUS01
AC line bus (for series operation or isolated operation)	S8T-BUS02

■ ACCESSORIES

Type	Length	Width	Part number
DIN rail	0.5 m (1.64 ft.)	7.3 mm (0.29 in)	PFP-50N
	1 m (3.28 ft.)	7.3 mm (0.29 in)	PFP-100N
	1 m (3.28 ft.)	16 mm (0.63 in)	PFP-100N2
End plate			PFP-M

NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

OMRON[®]

OMRON ELECTRONICS LLC

One East Commerce Drive
Schaumburg, IL 60173

1-800-55-OMRON

OMRON ON-LINE

Global - <http://www.omron.com>
USA - <http://www.omron.com/oei>
Canada - <http://www.omron.com/oci>

OMRON CANADA, INC.

885 Milner Avenue
Toronto, Ontario M1B 5V8

416-286-6465