

# **Switch Mode Power Supply**

# **S8VK-X** (60/120/240/480-W Models)

# EtherNet/IP, Modbus TCP-Compatible Maximizing System Availability Through the Connecting of Equipment to IoT

- Product replacement time, output voltage, output current, and more are acquired on the network and can be managed all at once
- Product status can be checked on-site using the indication monitor
- Ambient operating temperatures from -40 to 70°C
- Power Boost function at 150% (240 and 480 W)
- Side-by-side mounting possible (up to 55°C)
- UL Class 2 conformance (90 W or less)
- Complies with EN/IEC 61558-2-16
- Coated PCBs for better resistance to environment





Refer to Safety Precautions on page 20.





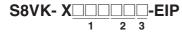
Noise filter S8V-NF

Listed on page 28.

#### **Model Number Structure**

#### **Model Number Legend**

Note: Not all combinations are possible. Refer to List of Models in Ordering Information, below.



#### 1. Power Ratings

030: 30 W 060: 60 W 090: 90 W 120: 120 W 240: 240 W 480: 480 W

#### 2. Output voltage

05: 5 V 12: 12 V 24: 24 V

#### 3. Indication monitor

A: With indication monitor None: Without indication monitor

#### S8VK-X

# **Ordering Information**

Note: For details on normal stock models, contact your nearest OMRON representative.

#### With Indication Monitor

Power rating	Rated input voltage	Rated output voltage (DC)	Rated output current	Maximum boost current	Model number
90 W	100 to 240 VAC (allowable range: 85 to 264 VAC, 90 to 350 VDC)	24 V	3.75 A		S8VK-X09024A-EIP
120 W		24 V	5 A	6 A	S8VK-X12024A-EIP
240 W		24 V	10 A	15 A	S8VK-X24024A-EIP
480 W		24 V	20 A	30 A	S8VK-X48024A-EIP

#### **Without Indication Monitor**

Power rating	Rated input voltage	Rated output voltage (DC)	Rated output current	Maximum boost current	Model number
30 W		5 V	5 A *1	6 A	S8VK-X03005-EIP
60 W		12 V	4.5 A *2	5.4 A	S8VK-X06012-EIP
	100 to 240 VAC (allowable range: 85 to 264 VAC, 90 to 350 VDC)	24 V	2.5 A	3 A	S8VK-X06024-EIP
90 W		24 V	3.75 A		S8VK-X09024-EIP
120 W		24 V	5 A	6 A	S8VK-X12024-EIP
240 W		24 V	10 A	15 A	S8VK-X24024-EIP
480 W		24 V	20 A	30 A	S8VK-X48024-EIP

<sup>\*1.</sup> Output power is 25 W at rated output current.

#### **Mounting Brackets (Order Separately)**

Power rating	Mounting direction	Model number
30 W, 60 W	Front mounting	S82Y-VS10F
30 W, 60 W	Side mounting	S82Y-VS10S
240 W, 480 W	Front mounting	S82Y-VK10F

### **DIN Rail Mounting (Order Separately)**

Part name	Model number		
	PFP-100N		
Mounting Rail (Material: Aluminum)	PFP-50N		
	PFP-100N2		
End Plate	PFP-M		

#### **Recommended Ethernet Communications Cables**

Use STP (shielded twisted-pair) cable of category 6A or higher

Appearance	Туре	Cable Sheath Material	Part Number	Length in inch (cm)	xx = Length	y = Color
	0.1			7.87 (20)	20	
	Category 6A Cable with Connectors on Both Ends (RJ45/RJ45)	LOW Smoke Zero Halogen (LSZH)	XS6W-6LSZH8SSxxCM-y	11.8 (30)	30	B = Blue
				19.6 (50)	50	
<b>A</b>	2011 21100 (110 10710 10)			39.4 (100)	100	

**Example:** XS6W-6LSZH8SS100CMB = CAT6A cable with RJ45 connectors at both ends 39.4 inch (100 cm) long, Blue

## Recommended Industrial Switching Hubs (Order Separately)

		Specification	Model number		
Name	Shape	Functions	No. of ports	Failure detection function	
Industrial switching hub	999	Priority control (QoS): EtherNet/IP control data priority Failure detection: Broadcast storm/	3	No	W4S1-03B
-	e e	LSI abnormality detection 10/100BASE-TX, Auto-Negotiation	5	No	W4S1-05B
			5	Yes	W4S1-05C

<sup>\*2.</sup> Output power is 54 W at rated output current.