



SIEMENS LOGO!POWER 3RD TO 4TH GENERATION MIGRATION GUIDE

Small. Clever. LOGO!Power

Siemens has announced the roll-out of their smallest power supply series: LOGO!Power 4th Generation - directly replacing the previous 3rd Generation.

What does this upgrade mean for users?



LOGO!Power 4th Generation: Highlights at a glance!

Welcome to the latest upgrade of the LOGO!Power product line. These new power supply units have the same design as LOGO! 8 logic controllers, deliver up to 100 W for distribution boards and are fully compatible with today's 3rd generation range. Key highlights are the significant reduction in width, the low no-load loss, the consistently high level of efficiency, flexible mounting (rail or direct mounting), the current monitor for direct measurement of the output current and the extended ambient temperature range of -25 ° to +70 °C international certification.

Features of the new LOGO!Power	Benefits	How does this compare to the 3rd generation?
Smaller design	Smallest design in each power class saves space	18 mm less width in each power class compared to predecessor product
High efficiency of over 90 % over the whole load range Low no-load losses of < 0.3 W	Energy saving in stand-by and operation	89% efficiency Low no-load losses of < 1.8 W
Voltage measuring point for current output current	Current measuring without disconnecting the lines, i.e. without interrupting the DC supply	No measuring available
Standard DIN rail and wall mounting	Flexible mounting in different positions possible	Only standard DIN rail mounting
Operating temperature range from -25°C up to +70°C	Expanded usage also in cold environments	From 20°C up to +70°C
Family expansion with 12 V/0.9 A and 24 V/0.6 A devices	Coverage of broad customer requirements also for lower power	No 12 V/0.9 A and 24 V/0.6 A devices
Performance reserve during run-up and constant current in case of overload	Smoothly switching on high load with high inrush current guarantees reliable operation	-

FAQ's

Here's what to consider when migrating from LOGO!Power 3rd Generation to 4th Generation

Q Are there any compatibility restrictions between the LOGO!Power 4th and 3rd generations?

A No

Q How long will both ranges be available concurrently?

A 6 - 12 Months

Q How does the measuring point for current output work?

A Apply a voltage meter with the red test lead to the measuring point of the LOGO! and connect the black lead to the - output terminal

Q For which modules do we have specific points regarding the measuring point?

- A**
- 24 V / 0.6 A and 12 V / 0.9 A: No measuring point available
 - 15 V / 4 A: Conversion factor 45 mV = Rated output current (max.)
 - Further devices: Conversion factor 50 mV = Rated output current (max.)

Q What is the significance of differences in power reserve during run / overload?

A Electronic short-circuit protection: The output continues to operate in the event of an overload / short-circuit current limitation, the output voltage is reduced with increasing output current → no switch-off occurs. (Constant current behavior)

Q What restrictions do different mounting options cause?

A Derating due to mounting possibilities

- Standard: up to 55°C
- Ceiling: up to 45 °C
- Horizontal: up to 45 °C
- Bottom: up to 45 °C

Q How can voltage values be adjusted?

- A**
- | | |
|--------------------------------|-------------------------|
| • 18 mm Module: | No adjustments possible |
| • 24 V / 0.6 A and 12 V 0.9 A: | 22.2 - 26.4 V DC |
| • 12 V / 1.9 A resp. 4.5 A: | 10.5 - 16.1 V DC |
| • 5 V / 3.0 A resp. 6.3 A: | 4.6 - 5.4 V DC |
| • 15 V / 1.9 A resp. 4.0 A: | 10.5 - 16.1 V DC |

		Old: LOGO! Power 3rd Generation Article number	New: LOGO! Power 4th Generation Article number
24 V	0.6 A	-	RS No. 136-5295 (6EP3330-6SB00-0AY0)
	1.3 A	RS No. 734-2714 (6EP1331-1SH03)	RS No. 136-5296 (6EP3331-6SB00-0AY0)
	2.5 A	RS No. 734-2718 (6EP1332-1SH43)	RS No. 136-5297 (6EP3332-6SB00-0AY0)
	4.0 A	RS No. 734-2727 (6EP1332-1SH52)	RS No. 136-5298 (6EP3333-6SB00-0AY0)
12 V	0.9 A	-	RS No. 136-5299 (6EP3320-6SB00-0AY0)
	1.9 A	RS No. 734-2705 (6EP1321-1SH03)	RS No. 136-5300 (6EP3321-6SB00-0AY0)
	4.5 A	RS No. 734-2708 (6EP1322-1SH03)	RS No. 136-5301 (6EP3322-6SB00-0AY0)
5 V	3.0 A	RS No. 734-2691 (6EP1311-1SH03)	RS No. 136-5302 (6EP3310-6SB00-0AY0)
	6.3 A	RS No. 734-2695 (6EP1311-1SH13)	RS No. 136-5303 (6EP3311-6SB00-0AY0)
15 V	1.9 A	RS No. 734-2702 (6EP1351-1SH03)	RS No. 136-5304 (6EP3321-6SB10-0AY0)
	4.0 A	RS No. 734-2711 (6EP1352-1SH03)	RS No. 136-5305 (6EP3322-6SB10-0AY0)

ADDITIONAL RESOURCES

Watch the LOGO!Power animation video to see all benefits - [CLICK HERE](#) 

Discover even more technical details in our brochure - [CLICK HERE](#) 

See the full LOGO!Power range available from RS - [CLICK HERE](#) 

More information regarding installation and service - [CLICK HERE](#) 

