



**Future automation systems will communicate digitally**  
 Discover the new ASI-5 generation of our COMPETENT CHAMAELEO series

#### Power Supplies

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You can rely on Frei!



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## Controlled by individuality

Customer-specific ASi solutions for smart control and automation systems

ASi-5 is prerequisite for Industry 4.0 – digitalised, cost-efficient, process-optimised production, automation and control. That's because ASi-5 enables high-speed transmission of all cyclic and acyclic data.

### Switch to Industry 4.0

As an established supplier of state-of-the-art, customised switched-mode power supplies for the mechanical engineering, medical, energy, IT and security technology industries, we have been supplying you with optimised products and software specifically for these applications ever since the ASi standard was launched. For use in your production shops, in medicine or in IT, or for installation in your equipment. This means that in addition to our own sales activities, we're also operating as an ODM (original design manufacturer) – from design through planning to production – as well as an OEM (original equipment manufacturer) for individual components and complete parts. Always 100% tailored to your requirements and those of your clients. Because we know how individuality works – yesterday, today and tomorrow!

### ASi-compatible switched-mode power supplies powered by Frei

All of our ASi-3 and ASi-5 switched-mode power supplies of our COMPETENT CHAMAELEO-Reihe series feature

- high efficiency
- variable power ratings
- optional single-phase and three-phase power supply units
- an ultra-narrow design just 48 mm wide

Our two new variants have also been optimised in line with the latest ASi-5 standard. As a result, they enable you to achieve even more cost-efficient control, with even greater cost-effectiveness and data bandwidth. So switch to Industry 4.0 – with the new ASi-5 switched-mode power supplies powered by Frei.

### The ASi-5-compatible duo

Both new primary switched-mode regulators are equipped with ASi-5 and ASi-3 filters, making them backward compatible. Depending on the version, they supply 0–8 A or 0–4 A – for a rectified, constant voltage.



#### AS-Interface Primary switched-mode regulator 30.5 V / 4 A

- Wide input range 100 – 240 VAC
- Output voltage range 30.5 VDC
- Output current 0 – 4 A
- Protected against continuous short circuit and off-load operation
- Integrated ASi-3 and ASi-5 filter (preliminary)
- Replaceable internal fuse 4.5 A
- Vertical mounted on DIN rail
- Housing width only 48 mm
- Connection via push-in spring terminals
- Weight approx. 0.65 kg
- Operating temperature -25 °C – 70 °C, free convection



#### AS-Interface Primary switched-mode regulator 30.5 V / 8 A

- Wide input range 100 – 240 VAC
- Output voltage range 30.5 VDC
- Output current 0 – 8 A
- Protected against continuous short circuit and off-load operation
- Integrated ASi-3 and ASi-5 filter (preliminary)
- Replaceable internal fuse 8.5 A
- Vertical mounted on DIN rail
- Housing width only 60 mm
- Connection via push-in spring terminals
- Weight approx. 0.9 kg
- Operating temperature -25 °C – 70 °C, free convection



### ASi-5 Primary switched-mode regulator

Part no.	Order text	Output current	Power	Input
149001-51074	Primary switched-mode regulator ASi-5 4.0 A	4.0 A	120 W	AC wide input range 100 – 240 VAC ASi-3- and ASi-5 compatibility Very compact design with low spatial requirement
149001-51210	Primary switched-mode regulator ASi-5 8.0 A	8.0 A	240 W	AC wide input range 100 – 240 VAC ASi-3- and ASi-5 compatibility High efficiency with low levels of energy consumption and heat generation

### Proven ASi-3 quintet

In addition to the two new ASi-5 switched-mode power supplies showcased above, we offer more ASi-3 primary switch-mode regulators for a stable power supply.

### ASi-3 Primary switched-mode regulator

Part no.	Order text	Output current	Power	Input
149002-31007	Primary switched-mode regulator ASi-3 1.8 A	1.8 A	56 W	AC and DC wide input range
149001-51061	Primary switched-mode regulator ASi-3 4.0 A	4.0 A	120 W	AC and DC wide input range
149001-51030	Primary switched-mode regulator ASi-3 8.0 A	8.0 A	250 W	AC and DC wide input range
149001-513023	Primary switched-mode regulator ASi-3 8.0 A	8.0 A	240 W	AC wide input range 340 – 550 VAC, 3 ph
149001-51032	Primary switched-mode regulator ASi-3 8.0 A	8.0 A	250 W	AC wide input range 195 – 550 VAC

