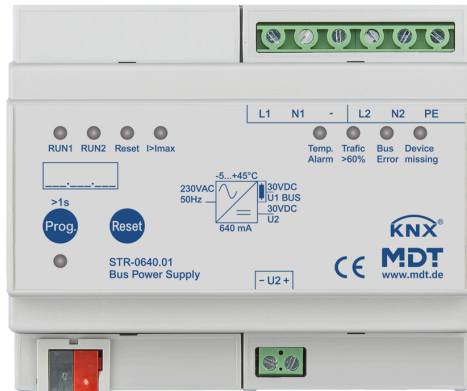


STR-0640.01

KNX Redundant Bus Power Supply with diagnostic function, 6 SU MDRC, 640 mA



Product description:

Redundancy and fail-safe through two power supply units. The overload-safe and short-circuit-proof MDT Bus Power Supply STR reliably supplies the bus devices of a KNX line with a stabilised direct voltage of 30 V. The diagnostic function of the bus coupler informs about the bus voltage, the bus current, the load of the power supply, in case of mains voltage failure and in case of failure of a monitored device. With additional unchoked output U2.

Product functions:

- KNX Bus Power Supply with integrated choke
- **Two integrated Power supplies for redundancy**
- Power supply 2 x 230 V AC (separate RCD circuits possible)
- Nominal current 640 mA, continuous current 900 mA, peak current 1200 mA
- **In the event of a failure, mains power or an internal power part, the KNX power supply is maintained over the second power supply unit**
- Failure message via telegram
- **Short circuit proof**
- **Overload protected**
- Additional unchoked output U2
- **Integrated Bus coupler with diagnostic functions:**
- Bus power, Bus current, Bus overload
- Mains power failure/recovery
- All events are stored in the ring storage with time a stamp
- Readout of the ring memory via a 14 Byte Telegram
- Safety function to detect a failed device in the KNX line
- 3 year warranty

Technical data:

Device	Device type	STR Bus Voltage Supply
	Article Number	STR-0640.01
	EAN / GTIN	4251916100032
	Installation width	6 SU / 108 mm
	Weight, gross (incl. packaging)	0.439 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Overvoltage category	III
	Weight, net	0.406 kg
Performance data	Supply voltage U	2 x 230 V AC, 50 Hz
	Power dissipation device, typical (no-load)	≤ 1.2 W
	Efficiency at nominal load (before choke)	> 85 %
Outputs	Output voltage	30 V DC SELV ^{*1}
	Rated current	640 mA
	Continuous current	900 mA
	Peak current	1200 mA
	Continuous total current, KNX + U2	900 mA
	Parallel connection possible	No
KNX	KNX Medium	TP-256
	KNX Application	as of ETS 4
Environmental conditions	Ambient operating temperature	-5 ... +45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
Connections	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm ²
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

*1 Additional unchoked output U2

Wiring diagram:

