



- Nominal input voltage 24V (48V)
- 1(2) outputs 12V (18V, 24V, 48V) / 100W output power
- Galvanically isolated output
- High efficiency, up to 92%
- Overvoltage and undervoltage protection
- DC OK relay contact
- Mounting type: DIN rail

DC/DC converters TIC100.H type convert 24V (48V) input voltage to 1(2) outputs 12V (18V, 24V, 48V) with galvanic separation. DC/DC converters are equipped with a local LED indication located on the front panel. Remote signalization is made through a DC OK potential-free relay contact.

Model numbering:

- TIC100.H ZZ_XXYY – H = DIN rail, ZZ = nominal input voltage, XX = nominal output voltage, YY = maximum output current.
- TIC100.H ZZ_XXxxYYyy – H = DIN rail, ZZ = nominal input voltage, XXxx = nominal output voltages (2), YYyy = maximum output currents

The installation position is on a horizontal DIN rail, venting slits are above and below. The input, output and OK relay connection is via removable connectors at the bottom with a conductor cross section up to 2.5mm².

MODEL SPECIFICATION	TIC100.H 24_1208 24V/12V(8A)	TIC100.H 24_2404 24V/24V(4A)	TIC100.H 24_4802 24V/48V(2A)	TIC100.H 24_48120203 24V/48V(1,5A), 12V(2,5A)	TIC100.H 48_1208 48V/12V(8A)	TIC100.H 48_1806 48V/18V(5.5A)	TIC100.H 48_2404 48V/24V(4A)	TIC100.H 48_4802 48V/48V(2A)
Input voltage	24V(18 - 35V)	24V(18 – 35V)	24V(18 – 35V)	24V(18 - 35V)	48V(35 – 72V)	48V(35 - 72V)	48V(35 - 72V)	48V(35 - 72V)
Output voltage	12V(8A)	24V(4A)	48V(2A)	48V(1.5A), 12V(2,5A)	12V(8A)	18V(5.5A)	24V(4A)	48V(2A)
Output power	100W	100W	100W	100W	100W	100W	100W	100W
Efficiency	85%	87%	89%	90%	88%	90%	91%	92%
No load power consumption	100mA	100mA	100mA	100mA	30mA	40mA	40mA	50mA
Insulation strength in/output	min. 1500V	min. 1500V	min. 1500V	min. 1500V	min. 1500V	min. 1500V	min. 1500V	min. 1500V
Operating temperature	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C
Output voltage stability	1%	1%	1%	5% / 1%	1%	1%	1%	1%
Local signaling	LED	LED	LED	2 x LED	LED	LED	LED	LED
Remote signaling	Relay contact Converter ERR	Relay contact Converter ERR	Relay contact Converter ERR	Relay contact 2x Converter ERR 1, 2	Relay contact Converter ERR	Relay contact Converter ERR	Relay contact Converter ERR	Relay contact Converter ERR
Air flow	Convection	Convection	Convection	Convection	Convection	Convection	Convection	Convection
Short circuit protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overtemperature protection	75°C	75°C	75°C	75°C	75°C	75°C	75°C	75°C
Overvoltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Undervoltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting type	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail
Dimensions W x H x D (mm)	45x135x105	45x135x105	45x135x105	45x135x105	45x135x105	45x135x105	45x135x105	45x135x105
Weight (kg)	0.42kg	0.42kg	0.42kg	0.42kg	0.42kg	0.42kg	0.42kg	0.42kg
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Part No.	IP.1431.633.120	IP.1431.633.139	IP.1431.633.121	IP.1432.633.177	IP.1431.633.123	IP.1431.633.187	IP.1431.633.124	IP.1431.633.191