

- Nominal input voltage 12V (24V) DC
- Nominal output voltage 12V (24V, 48V) DC / 20W output power
- Galvanically isolated output
- High efficiency, up to 92%
- Mounting type: DIN rail



TC20.H DC/DC converters TC20.H type convert 12V(24V) input voltage to 12V (24V, 48V) output with galvanic separation. Converters are equipped with a local LED indication located on the front panel.

Model Numbering:

- TC20.H ZZ_XXYY – H = DIN rail, ZZ = nominal input voltage, XX = nominal output voltage, YY = maximum output current.

Installation position is on a horizontal DIN rail, venting slits are on the top and bottom on the case. The input and output connection is via removable connector at the top and bottom side with a conductor cross section up to 1.5mm².

MODEL SPECIFICATION	TC20.H 12_2401 12V/24V(0.84A)	TC20.H 12_48005 12V/48V(0.42A)	TC20.H 24_12015 24V/12V(1.7A)
Input voltage	12V (10.5-15V)	12V (10.5-15V)	24V (21-29V)
Output voltage	24V(0.84A)	48V(0.42A)	12V(1.7A)
Output power	20W	20W	20W
Efficiency	90%	87%	92%
No load current	48mA	83mA	30mA
Insulation strength in/output	min. 1500V	min. 1500V	min. 1500V
Operating temperature	-25 - +60°C	-25 - +60°C	-25 - +60°C
Output voltage ripple	20mV	50mV	20mV
Output voltage stability	0.5%	0.5%	0.5%
Local signaling	LED	LED	LED
Remote signaling	-	-	-
Air flow	Convection	Convection	Convection
Short circuit protection	1.3A	0.7A	2.0A
Overvoltage protection	No	No	No
Undervoltage protection	Yes	Yes	Yes
Mounting type	DIN rail	DIN rail	DIN rail
Dimensions W x H x D (mm)	36x90x68	36x90x68	36x90x68
Weight (kg)	0.13kg	0.13kg	0.13kg
Degree of protection	IP20	IP20	IP20
Part No.	IP.1421.633.189	IP.1421.633.190	IP.1421.633.192