DIMENSION DC/DC KONVERTER

110/24 V DC, 8,3 A

QS5.241-60
PSU 110V dc I/P 24V dc 4.2A 100W O/P Railway Compliant



- 39 mm széles
- 94,5 %-os hatásfok
- EN 50155 vasúti alkalmazásokra vonatkozó szabvány szerint
- Conformal bevonatos elektronikai áramköri lap
- Széles hőmérséklet tartomány -40°C...+70°C

TERMÉKLEÍRÁS

MŰSZAKI ADATOK

Input voltage DC	110 V
Input voltage dc min	77 V DC
Input voltage dc max	154 V DC
Bekapcsolási túláram	Typ. 10 A @ 110 V DC
Max entrance tripple	15 V pp

Output voltage	24 V DC
Output voltage min	24 V DC
Output voltage max	28 V DC
Output Current	4,2 A
Teljesítmény	100 W

Efficiency	91,1 %
Élettartam	127000 h @ 24 V DC, 4,2 A, 40 °C
MTBF (IEC 61709)	127000 h @ 24 V DC, 4,2 A, 40 °C

Szélesség	40 mm

Magasság	124 mm
Mélység	117 mm
Tömeg	0,64 kg

Jóváhagyások	CE, EN 50155
Keep time	Typ. 42 ms @ 4,2 A
IP-osztály	IP20
Védőanyag	Alumínium
Ripple. max	50 mV pp
Series	Dimension Q
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C

Conformal coated	Igen
DC relay output	Igen

Fig. 6-2 **Dynamic output current capability, typ.**

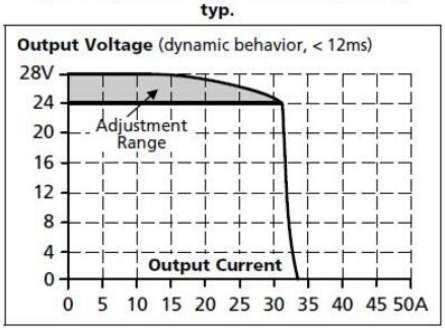


Fig. 6-1 **Output voltage vs. output current, typ.**

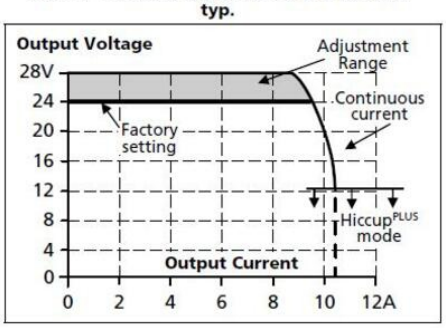


Fig. 16-1 **Output current vs. ambient temp. at 24V output voltage**

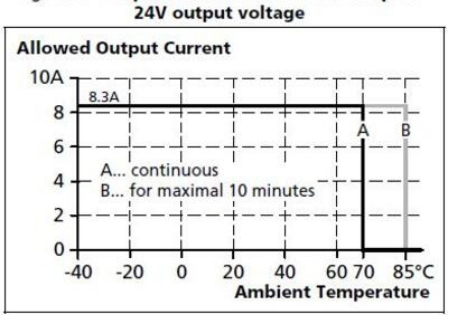


Fig. 10-1 **Efficiency vs. output current, at 24V, typ.**

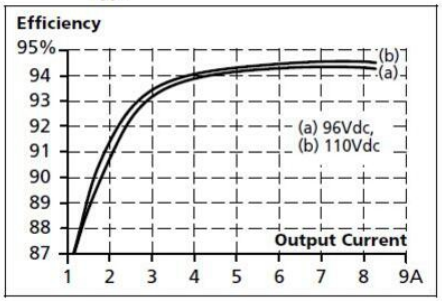


Fig. 6-3 **Short-circuit on output, Hiccup^{PLUS} mode, typ.**

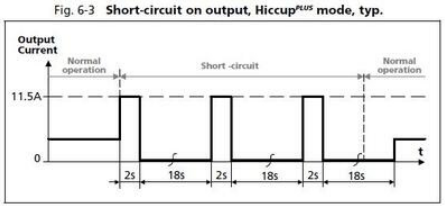
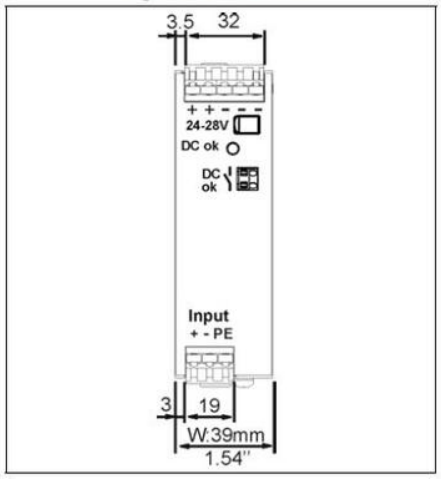


Fig. 14-1 **Front side**



Fig. 22-1 **Front view**



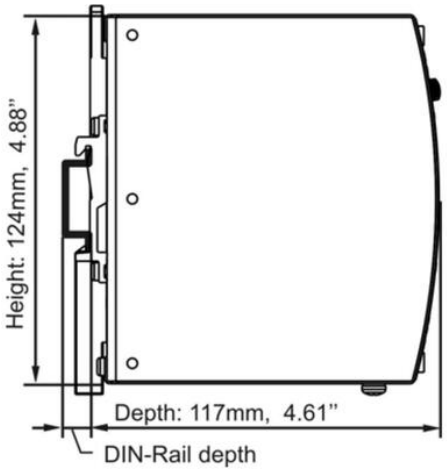


Fig. 6-2 **Dynamic output current capability, typ.**

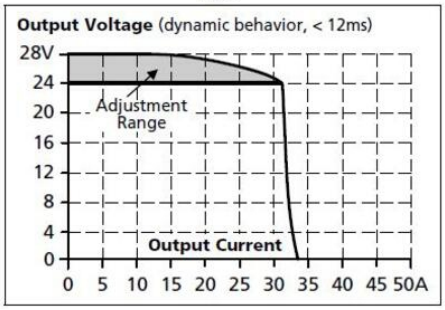


Fig. 6-1 **Output voltage vs. output current, typ.**

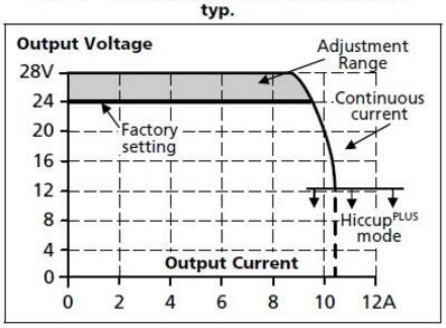


Fig. 16-1 **Output current vs. ambient temp. at 24V output voltage**

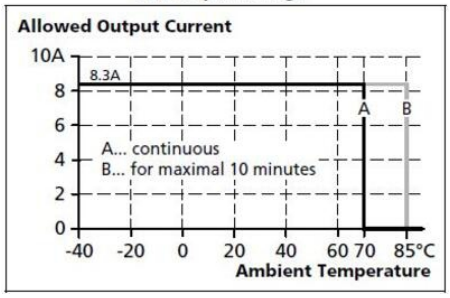


Fig. 10-1 **Efficiency vs. output current, at 24V, typ.**

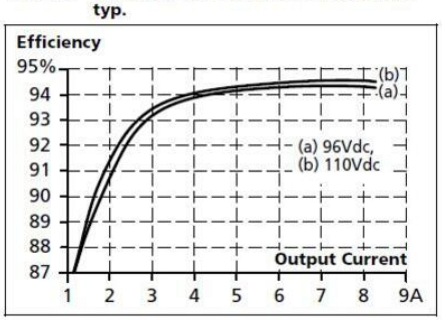


Fig. 6-3 **Short-circuit on output, Hiccup^{PLUS} mode, typ.**

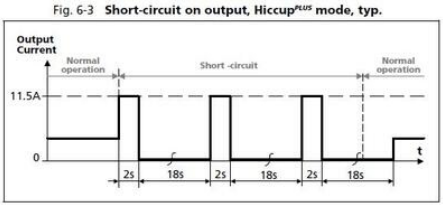
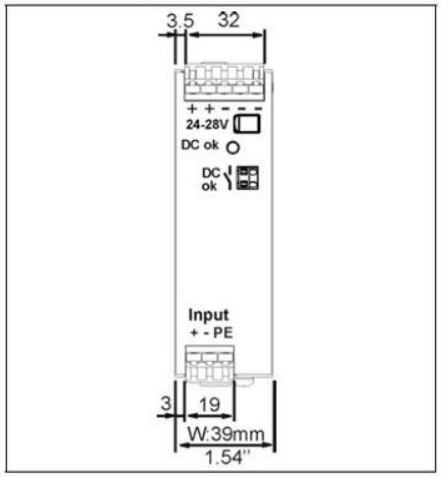
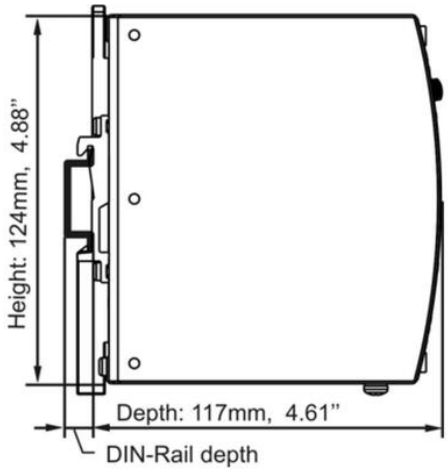


Fig. 14-1 **Front side**



Fig. 22-1 **Front view**




Height: 124mm, 4.88”
Depth: 117mm, 4.61”
DIN-Rail depth