



Input voltage range up to 72 V DC
 1 or 2 outputs up to 30 V DC
 1500 V DC I/O electric strength test voltage

- Wide input range
- Short circuit protection
- Industry standard 2" x 1" foot print

Selection chart

Output 1		Output 2		Input voltage U_i [V DC]	Rated power $T_A = 71^\circ\text{C}$ $P_{o\ tot}$ [W]	Type	Option
$U_{o\ nom}$ [V DC]	$I_{o\ nom}$ [mA]	$U_{o\ nom}$ [V DC]	$I_{o\ nom}$ [mA]				
3.3	1500	-	-	10...36	5	24 IMO 6-03-2	-7
3.3	1500	-	-	18...72	5	48 IMO 6-03-2	-7
5	1000	-	-	10...36	5	24 IMO 6-05-2	-7
5	1000	-	-	18...72	5	48 IMO 6-05-2	-7
12	500	-	-	10...36	6	24 IMO 6-12-2	-7
12	500	-	-	18...72	6	48 IMO 6-12-2	-7
15	400	-	-	10...36	6	24 IMO 6-15-2	-7
15	400	-	-	18...72	6	48 IMO 6-15-2	-7
+5	500	-5	500	10...36	5	24 IMO 6-0505-2	-7
+5	500	-5	500	18...72	5	48 IMO 6-0505-2	-7
+12	250	-12	250	10...36	6	24 IMO 6-1212-2	-7
+12	250	-12	250	18...72	6	48 IMO 6-1212-2	-7
+15	200	-15	200	10...36	6	24 IMO 6-1515-2	-7
+15	200	-15	200	18...72	6	48 IMO 6-1515-2	-7

Input

Input voltage	continuous range, 24 V	10...36 V DC
	continuous range, 48 V	18...72 V DC
Reverse voltage protection	shunt diode	

Output

Output voltage setting accuracy	$U_{i\ nom}, I_{o\ nom}$	$\pm 2\% U_{o\ nom}$
Minimum load	not required	
Line regulation	$U_{i\ min} \dots U_{i\ max}, I_{o\ nom}$	$\pm 1\% U_{o\ nom}$
Load regulation	$U_{i\ nom}, 0 \dots 100\% I_{o\ nom}$, single output models	$2\% U_{o\ nom}$
	dual output models	max. $5\% U_{o\ nom}$
Ripple and noise	$U_{i\ nom}, 0 \dots 100\% I_{o\ nom}$, peak-peak, total	max. $3\% U_{o\ nom}$
Efficiency	$U_{i\ nom}, I_{o\ nom}$	up to 80%

Control and protection

Overload protection	$U_{i\ min}$, full load	$150\% P_{i\ nom}$
No-load protection		

Safety and EMC

Electric strength test voltage	I/O	1500 V DC
Electromagnetic interference	conducted	class A
	conducted with external filter	class B

Environmental

Operating ambient temperature	$U_{i\text{ nom}}, I_{o\text{ nom}}$	-10...50°C
Storage temperature	non operational	-40...100°C
Relative humidity	non condensing	95%
MTBF	MIL-HDBK-217F, N2	>3'000'000 h

Options

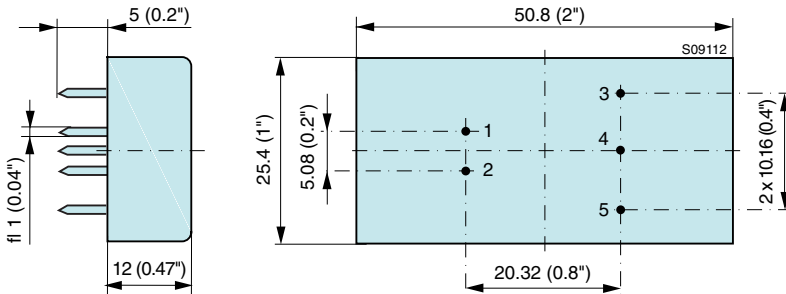
Extended temperature range	-25...71°C, ambient, operating	-7
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Accessories

DIN and chassis mounting bracket

Mechanical data

Tolerances ± 0.3 mm (0.012") unless otherwise indicated.

**Pin allocation**

Pin	Single output	Dual output
1	Vi+	Vi+
2	Vi-	Vi-
3	Vo+	Vo+
4	no pin	COM
5	Vo-	Vo-