Input voltage ranges up to 75 V DC
3 outputs 5...15 V DC
1500 V DC I/O electric strength test voltage

CE

- Flex power
- Serial 8-bit status communication port
- Adapted to MIL and avionics applications

Selection chart

Output 1		Output 2		Output 3		Input	Rated power	Efficiency	Type	Option
$U_{o\ nom}$ [V DC]	$I_{o\ nom}$ [A]	$U_{o\ nom}$ [V DC]	$I_{o\ nom}$ [A]	$U_{o\ nom}$ [V DC]	$I_{o\ nom}$ [A]	U_i [V DC]	$P_{o\ tot}$ [W]	η_{typ} [%]		
5.05	5	12.6	2	–12.6	2	14...36	25	87	BG 3020-7	-9, D, B
5.05	5	12.6	2	–12.6	2	36...75	25	87	CG 3020-7	-9, D, B
5.05	5	15.4	1.6	–15.4	1.6	14...36	25	87	BG 3040-7	-9, D, B
5.05	5	15.4	1.6	–15.4	1.6	36...75	25	87	CG 3040-7	-9, D, B

Input

Input voltage	BG	14...36 V DC
	CG	36...75 V DC
Reverse polarity protection	shunt diode	

Output

Output voltage setting accuracy	$U_{i\ nom}$, $I_{o\ nom}$	±1% $U_{o\ nom}$
Minimum load	recommended for tracking outputs	10% $I_{o\ nom}$
Line/load regulation	$U_{i\ min}$...$U_{i\ max}$, 50% $I_{o\ nom}$	±1% $U_{o\ nom}$
Line regulation	$U_{i\ min}$...$U_{i\ max}$, 50% $I_{o\ nom}$ (tracking outputs)	±5% $U_{o\ nom}$
Load regulation	$U_{i\ nom}$, 50...100% $I_{o\ nom}$ (tracking outputs)	±10% $U_{o\ nom}$
Output voltage switching noise	$U_{i\ nom}$, 100% $I_{o\ nom}$, peak-peak, total	max. 1% $U_{o\ nom}$
Efficiency	$U_{i\ nom}$, $I_{o\ nom}$	typ. 87%

Control and protection

Remote shut down	TTL-compatible input	disabled with >2.4 V
Connection in parallel	current sharing	
Adjustable output voltage	R-input	60...110% $U_{o\ nom}$
Output voltage OK signal	open collector	
Overload protection	continuous, each output	
Output overvoltage protection	second loop, self recovery	
No-load protection	$U_{i\ min}$...$U_{i\ max}$	
Temperature monitoring	thermistor, self recovery	>110°C

Safety and EMC

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

Environmental

Operating ambient temperature	$U_{i\ nom}$, $I_{o\ nom}$	–25...71°C
Storage temperature	non operational	–40...105°C
Relative humidity	non condensing	93%

Options

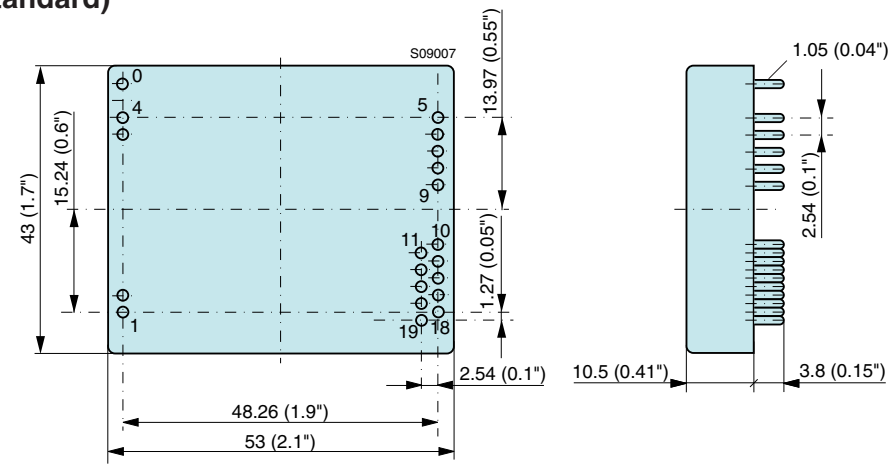
Extended temperature range	–40...71°C, ambient, operating	–9
Output voltage monitor	serial 8 bit status communication interface	D
Case with fixing holes		B

Mechanical data

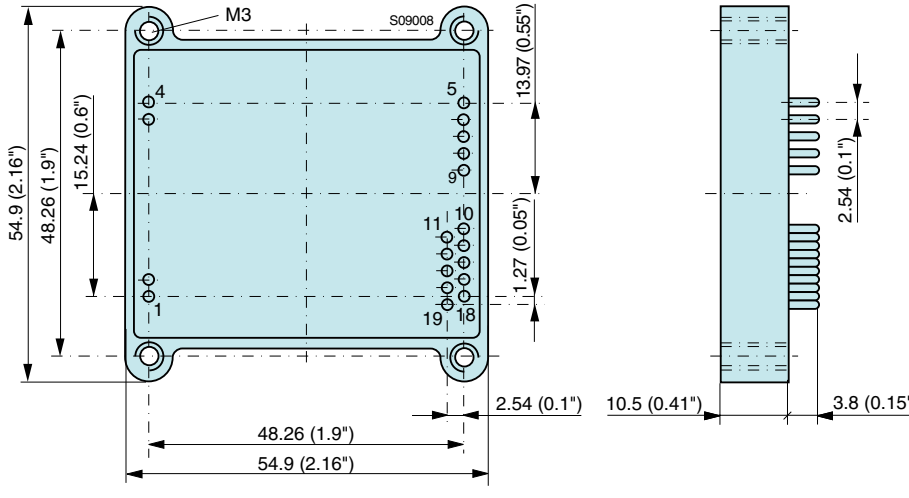
Tolerances ±0.3 mm (0.012") unless otherwise indicated.

European Projection

G (standard)



G (option B)



Pin allocation

Pin	Triple output units
1	i
2	TMON
3	Vi+
4	Vi–
5	Vo3–
6	Vo2+
7	Go
8	Go
9	Vo1+
10	/FAIL (Option D)
11	/SRQ (Option D)
12	/PDW (Option D)
13	/SDW (Option D)
14	/RST (Option D)
15	CT1 (Option D)
16	CT2 (Option D), U_o OK
17	Go
18	R
19	T
0	Case (not with option B)