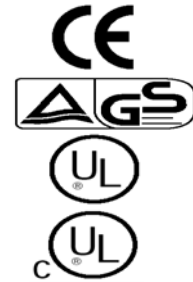


AC/DC Power Module

30 Watt KAM / KAD - Serie



POWER MODULE

Besondere Merkmale Features

Universaleingang	Universal input
Hoher Wirkungsgrad	High efficiency
Sehr kompakter Aufbau	Ultra compact design
Überlast- und kurzschlußfest	Overload short circuit protection
Interner Eingangsfiler	Internal input filter
Geschlossen(KAM) oder offen(KAD)	Available with(KAM) or without case(KAD)
Extern trimmbar (single output)	External trimming (single output)

Anwendung Application

Kompakte Baugruppen	Compact equipment
Netzwerktechnik	Networking
Peripheriegeräte und Terminals	Peripherals and terminals
MSR	Control equipments
Mikroprozessorsysteme	Microprocessor systems
Kleinrechner	Microcomputers

Technische Daten Specification

bei 25°C Umgebungstemperatur	at 25 °C ambient temperature
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Eingangsdaten Input Specifications

Eingangsspannung	Input voltage	90...264 V AC
Eingangsfrequenz	Input frequency	47...63 Hz
Doppelte Isolation	Double insulation	
Netzausfallüberbrückung	Hold-up time, nom.conditions	20 ms min.

Ausgangsdaten Output Specifications

Leistung	Power	30 Watt
Wirkungsgrad	Efficiency	typ. 84 %
Schaltfrequenz	Switching frequency	> 80 kHz
Überspannungsschutz	Overvoltage protection	>130 %
Überstrom/Kurzschlußschutz	Overcurrent/short-circuit protection	>130%, Auto Restart
Restwelligkeit	Ripple and noise	max +-1% p-p

Allgemeine Daten General Specifications

Betriebstemperatur	Operating temperature	-20°C...+71°C
Lagertemperatur	Storage temperature	-40°C...+100°C
Luftfeuchtigkeit	Humidity	20...95 %RH
Isolationswiderstand	Isolation resistance	100 MOhm min.
Isolation	Dielectric withstand (Hipot)	Input <-> Output 3 KVAC
MTBF	MTBF	MIL-HNBK: 205.000 h.
Funkentstörung	Emissions	EN 55022 B
Störfestigkeit	Immunity	EN50082-1, EN 61000-3-2
		EN 61000-3-3
Zulassungsbestimmungen	Safety approvals	UL 1950, CSA 22.2 950 (cUL), TÜV EN 60950, CB-Test-Report

AC/DC Power Module

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Bestell-Information / Order Information

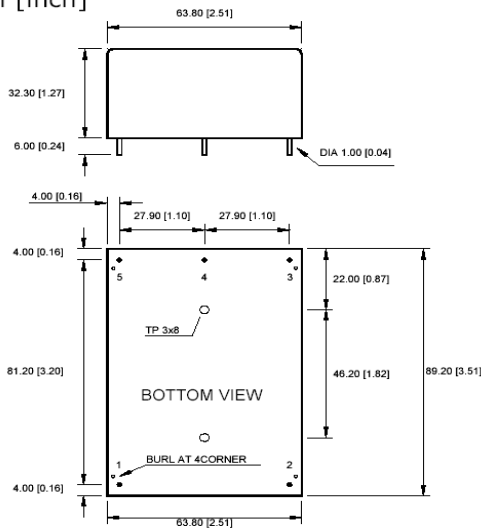
Modell	Ausgang 1 Output 1	Last/Load		Ausgang 2 Output 2	Last/Load	
		Min.	Max.		Min.	Max.
KAM3003	3,3 V	0.0 A	7,5 A			
KAM3005	5 V	0.0 A	6,0 A			
KAM3012	12 V	0.0 A	2,5 A			
KAM3015	15 V	0.0 A	2,0 A			
KAM3024	24 V	0.0 A	1,25 A			
KAM3012D	+12 V	0.25 A	1,25 A	- 12V	0,25 A	1,25 A
KAM3015D	+15 V	0.2 A	1,0 A	- 15V	0,2 A	1,0 A
KAM30503D	+3,3V	0,3 A	1,5 A	+ 5V	0,6 A	3,0 A
KAM30512D	+5 V	0,6 A	3,0 A	+ 12V	0,25 A	1,25 A
KAD3003	3,3 V	0.0 A	7,5 A			
KAD3005	5 V	0.0 A	6,0 A			
KAD3012	12 V	0.0 A	2,5 A			
KAD3015	15 V	0.0 A	2,0 A			
KAD3024	24 V	0.0 A	1,25 A			
KAD3012D	+12 V	0.25 A	1,25 A	- 12V	0,25 A	1,25 A
KAD3015D	+15 V	0.2 A	1,0 A	- 15V	0,2 A	1,0 A
KAD30503D	+3,3V	0,3 A	1,5 A	+ 5V	0,6 A	3,0 A
KAD30512D	+5 V	0,6 A	3,0 A	+ 12V	0,25 A	1,25 A

MEMO:

Andere Typen und Spannungen auf Anfrage • Other models and configurations on request

MECHANISM & PIN CONFIGURATION

mm [inch]



PHYSICAL CHARACTERISTICS

CASE SIZE	89.2 x 63.8 x 32.3mm 3.51 x 2.51 x 1.27inch
CASE MATERIAL	Plastic
WEIGHT	320 g

PIN ASSIGNMENT

PIN NO.	1	2	3	4	5
SINGLE	AC IN	AC IN	Vo+	Vo-	Trim
DUAL	AC IN	AC IN	Vo1	com	Vo2

Fig. 1 Trim connection (For single output only)

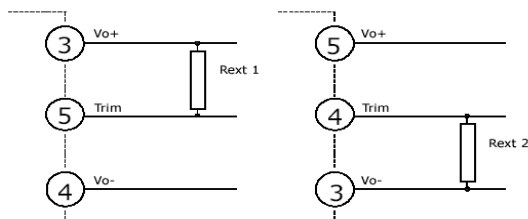


Table 1 Typical resistor values for various output voltage adjustment settings

Type	Rext 1		Rext 2	
	Uo nom +5%	Uo nom +10%	Uo nom +5%	Uo nom +10%
KAM3003	100 Ω	N/A	12K Ω	N/A
KAM3005	4.7K Ω	0K Ω	5.6K Ω	820 Ω
KAM3012	39K Ω	15K Ω	15K Ω	2.7K Ω
KAM3015	120K Ω	51K Ω	22K Ω	2.7K Ω
KAM3024	130K Ω	56K Ω	8.66K Ω	510 Ω

Derating:

