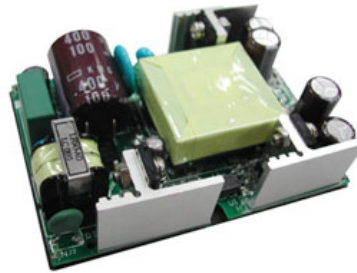


30 Watt
AC/DC
Power
Module

AC/DC Power Module

30 Watt KAMN / KADN - Serie



POWER MODULE

Besondere Merkmale

Universaleingang
Hoher Wirkungsgrad
Sehr kompakter Aufbau
Überlast- und kurzschlußfest
Interner Eingangsfiler
Geschlossen(KAMN) oder offen(KADN)
Extern trimmbar (single output)

Features

Universal input
High efficiency
Ultra compact design
Overload short circuit protection
Internal input filter
Available with(KAMN) or without case(KADN)
External trimming (single output)

Anwendung

Kompakte Baugruppen
Netzwerktechnik
Peripheriegeräte und Terminals
MSR
Mikroprozessorsysteme
Kleinrechner

Application

Compact equipment
Networking
Peripherals and terminals
Control equipments
Microprocessor systems
Microcomputers

Technische Daten

bei 25°C Umgebungstemperatur

Specification

at 25 °C ambient temperature

Eingangsdaten

Eingangsspannung
Eingangsfrequenz
Doppelte Isolation
Netzausfallüberbrückung

Input Specifications

Input voltage 85...265 V AC
120...370 V DC
Input frequency 47...63 Hz
Double insulation
Hold-up time, nom.conditions 15 ms min.

Ausgangsdaten

Leistung
Wirkungsgrad
Schaltfrequenz
Überstromschutz
Überstrom/Kurzschlußschutz
Restwelligkeit

Output Specifications

Power typ. 30 Watt
Efficiency typ. 86 %
Switching frequency typ. 65 kHz
Overload protection >120 %
Overcurrent/short-circuit protection Hiccup mode, Auto Restart
Ripple and noise max +-1% p-p

Allgemeine Daten

Betriebstemperatur
Lagertemperatur
Luftfeuchtigkeit
Isolationswiderstand
Isolation
Eingangssicherung (intern)
TÜV
UL / cUL
CE

General Specifications

Operating temperature -40°C...+71°C
Storage temperature -40°C...+100°C
Humidity 20...95 %RH
Isolation resistance 100 MOhm min.
Dielectric withstand (Hipot) Input <-> Output 3 KVAC
Input fuse (internal) T2A / 250 VAC
TÜV EN 60950-1, EN 60601-1
UL / cUL UL 60950-1, UL 60601-1 recognized
CE EN 60601-1-2, EN 55011, EN 61000-6-3,
EN 55022 Class B, EN 61000-3-2, EN 61000-3-3EN 61000-6-2,
EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5
EN 61000-4-6, EN 61000-4-8, EN 61000-4-11, EN 61204-3

AC/DC Power Module

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30 Watt AC/DC Power Module

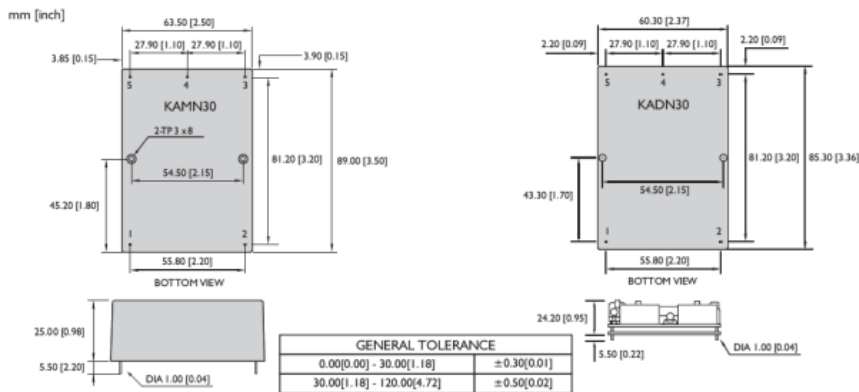
Bestell-Information / Order Information

Modell	Ausgang 1	Last/Load		Ausgang 2	Last/Load	
	Output 1	Min.	Max.	Output 2	Min.	Max.
KAMN3003	3,3 V	0.0 A	7,5 A			
KAMN3005	5 V	0.0 A	6,0 A			
KAMN3012	12 V	0.0 A	2,5 A			
KAMN3015	15 V	0.0 A	2,0 A			
KAMN3024	24 V	0.0 A	1,25 A			
KAMN3012D	+12 V	0.25 A	1,25 A	- 12V	0,25 A	1,25 A
KAMN3015D	+15 V	0.2 A	1,0 A	- 15V	0,2 A	1,0 A
KAMN30503D	+3,3V	0,3 A	1,5 A	+ 5V	0,6 A	3,0 A
KAMN30512D	+5 V	0,6 A	3,0 A	+ 12V	0,25 A	1,25 A
KADN3003	3,3 V	0.0 A	7,5 A			
KADN3005	5 V	0.0 A	6,0 A			
KADN3012	12 V	0.0 A	2,5 A			
KADN3015	15 V	0.0 A	2,0 A			
KADN3024	24 V	0.0 A	1,25 A			
KADN3012D	+12 V	0.25 A	1,25 A	- 12V	0,25 A	1,25 A
KADN3015D	+15 V	0.2 A	1,0 A	- 15V	0,2 A	1,0 A
KADN30503D	+3,3V	0,3 A	1,5 A	+ 5V	0,6 A	3,0 A
KADN30512D	+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



PIN ASSIGNMENT

GENERAL						
PIN NO.	1	2	3	4	5	
SINGLE	AC IN	AC IN	Vo +	Vo -	Trim	
DUAL 12D, 15D	AC IN	AC IN	Vo +	com	Vo -	
512D	AC IN	AC IN	+5V	com	+12V	
524D	AC IN	AC IN	+5V	com	+24V	

DERATING CURVE

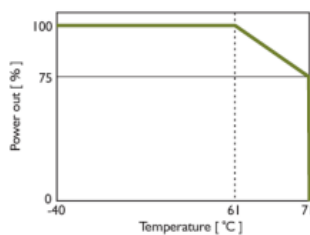


Fig. 1 Trim connection
(For single output only)

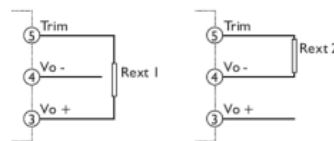


Table 1 Typical resistor values for various output voltage adjustment settings and max continuous power

Type	Rext 1		Rext 2		Max continuous power
	Vo nom -5%	Vo nom -10%	Vo nom +5%	Vo nom +10%	
KAM(D)N3003	20KΩ	5.1KΩ	3KΩ	1KΩ	25 W
KAM(D)N3005	5.1KΩ	1KΩ	6.8KΩ	2KΩ	30 W
KAM(D)N3012	39KΩ	20KΩ	10KΩ	0Ω	30 W
KAM(D)N3015	180KΩ	56KΩ	30KΩ	5.1KΩ	30 W
KAM(D)N3024	150KΩ	5.1KΩ	8.2KΩ	0Ω	30 W