POWER MATE TECHNOLOGY CO.,LTD.

P-DUKE

DIN RAIL CONVERTER

FEATURES

- DIN Rail DC/DC Converters
- Output Power from 15W to 60 W
- Offer Single, Dual And Triple Output
- Meet EN55022 Class B
- Internal input fuse protection
- Internal input reverse polarity protection
- Internal input in-rush current limit circuit
- Overload and short circuit protection
- Over voltage protection
- Compliant to RoHS EU DIRECTIVE 2002/95/EC
- Reliable snap-on for DIN rail TS-35/7.5 OR TS-35/15
- I/O-isolation 1600 VDC
- Operating temperature -40℃ TO +85℃
- Case protection meet IP20(IEC60529)
- Output DC-OK indicator

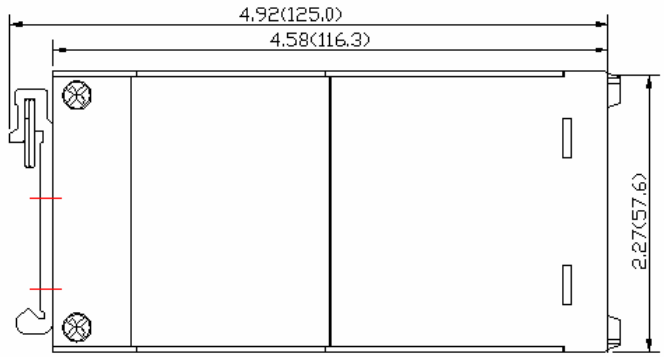
APPLICATIONS

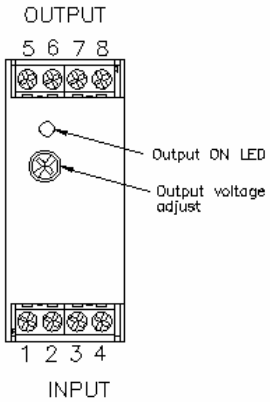
Communication System
Industry Control System
Factory Automatic Equipment
Semiconductor Equipment

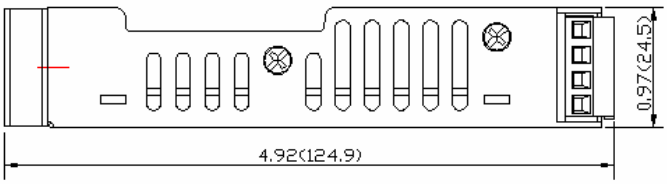
DESCRIPTION

The DIN RAIL series was designed to easy application of din rail DC-DC converters. Easy installation is provided with snap-on mounting on the DIN-rail. Internal protection circuits such as input reversal and in-rush current limit protection, as well as output short-circuit and over-voltage protection. A green LED at the front displays the status of the output(s).

CASE DIMENSIONS







All dimensions in Inches (mm)
Tolerance: X.XX±0.04 (X.X±1.0)
X.XXX±0.02 (X.XX±0.5)

PIN CONNCECTION			
PIN	SINGLE	DUAL	TRIPLE
1	CTRL	CTRL	CTRL
2	-INPUT	-INPUT	-INPUT
3	-INPUT	-INPUT	-INPUT
4	+INPUT	+INPUT	+INPUT
5	NC	NC	+AUXILIARY
6	-OUTPUT	-OUTPUT	COMMON
7	+OUTPUT	COMMON	-AUXILIARY
8	NC	+OUTPUT	+OUTPUT

※ NC：No Connection
※ Screw terminals – wire range from 14 to 18 AWG

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MODEL CONFIGURATIONS

Model Number	Input Range	Output Power	Output Voltage (V_{DC})/ Output Current (mA)/ Efficiency (%)	Trim Function[1]
DFEC60-24SXX	18 – 36 VDC	60 W	3.3/14000/85、5/12000/86、12/5000/86、15/4000/86	YES
DFEC60-48SXX	36 – 75 VDC	60 W	3.3/14000/85、5/12000/86、12/5000/86、15/4000/86	YES
DFEC40-24SXXW	9.5 – 36 VDC	40 W	3.3/10000/83、5/8000/84、12/3333/84、15/2666/84	YES
DFEC40-24DXXW	9.5 – 36 VDC	40 W	±12/±1667/83、±15/±1333/83	NA
DFEC40-48SXXW	18 – 75 VDC	40 W	3.3/10000/84、5/8000/86、12/3333/85、15/2666/85	YES
DFEC40-48DXXW	18 – 75 VDC	40 W	±12/±1667/84、±15/±1333/84	NA
DFEC40-12SXX	9.5 – 18 VDC	40 W	3.3/8000/82、5/8000/82、12/3333/82、15/2666/83	YES
DFEC40-12DXX	9.5 – 18 VDC	40 W	±12/±1800/81、±15/±1400/81	NA
DFEC40-12TXXXX	9.5 – 18 VDC	40 W	(3.3/6000，±12/±400)/80、(3.3/6000，±15/±300)/80 (5/6000，±12/±400)/82、(5/6000，±15/±300)/82	NA
DFEC40-24SXX	18 – 36 VDC	40 W	3.3/8000/84、5/8000/86、12/3333/85、15/2666/86	YES
DFEC40-24DXX	18 – 36 VDC	40 W	±12/±1800/84、±15/±1400/84	NA
DFEC40-24TXXXX	18 – 36 VDC	40 W	(3.3/6000，±12/±400)/82、(3.3/6000，±15/±300)/82 (5/6000，±12/±400)/84、(5/6000，±15/±300)/84	NA
DFEC40-48SXX	36 – 75 VDC	40 W	3.3/8000/86、5/8000/88、12/3333/87、15/2666/87	YES
DFEC40-48DXX	36 – 75 VDC	40 W	±12/±1800/85、±15/±1400/85	NA
DFEC40-48TXXXX	36 – 75 VDC	40 W	(3.3/6000，±12/±400)/84、(3.3/6000，±15/±300)/84 (5/6000，±12/±400)/86、(5/6000，±15/±300)/86	NA
DFEC30-24SXXW	10 – 40 VDC	30 W	3.3/6000/84、5/6000/84、12/2500/84、15/2000/85	YES
DFEC30-24DXXW	10 – 40 VDC	30 W	±12/±1250/81、±15/±1000/82	NA
DFEC30-48SXXW	18 – 75 VDC	30 W	3.3/6000/85、5/6000/86、12/2500/85、15/2000/86	YES
DFEC30-48DXXW	18 – 75 VDC	30 W	±12/±1250/83、±15/±1000/84	NA
DFEC30-12SXX	9.5 – 18 VDC	30 W	3.3/6000/81、5/6000/83、12/2500/84、15/2000/84	YES
DFEC30-12DXX	9.5 – 18 VDC	30 W	±12/±1250/83、±15/±1000/83	NA
DFEC30-24SXX	18 – 36 VDC	30 W	3.3/6000/83、5/6000/85、12/2500/86、15/2000/86	YES
DFEC30-24DXX	18 – 36 VDC	30 W	±12/±1250/85、±15/±1000/85	NA
DFEC30-48SXX	36 – 75 VDC	30 W	3.3/6000/85、5/6000/87、12/2500/88、15/2000/88	YES
DFEC30-48DXX	36 – 75 VDC	30 W	±12/±1250/86、±15/±1000/86	NA
DFED20-24SXXW	9.5 – 36 VDC	20 W	3.3/5500/83、5/4000/86、12/1670/84、15/1330/84	YES
DFED20-24DXXW	9.5 – 36 VDC	20 W	±5/±2000/86、±12/±833/85、±15 /±667/85	NA
DFED20-48SXXW	18 – 75 VDC	20 W	3.3/5500/83、5/4000/86、12/1670/85、15/1330/85	YES
DFED20-48DXXW	18 – 75 VDC	20 W	±5/±2000/87、±12/±833/86、±15 /±667/86	NA
DFED20-12SXX	9.5 – 18 VDC	20 W	3.3/5000/82、5/4000/84、12/1670/83、15/1330/83	YES
DFED20-12DXX	9.5 – 18 VDC	20 W	±12/±833/83、±15/±667/83	NA
DFED20-24SXX	18 – 36 VDC	20 W	3.3/5000/84、5/4000/87、12/1670/85、15/1330/85	YES
DFED20-24DXX	18 – 36 VDC	20 W	±12/±833/85、±15/±667/86	NA
DFED20-48SXX	36 – 75 VDC	20 W	3.3/5000/85、5/4000/87、12/1670/86、15/1330/85	YES
DFED20-48DXX	36 – 75 VDC	20 W	±12/±833/86、±15/±667/86	NA
DFEC15-24SXXW	9.5 – 36 VDC	15 W	3.3/4500/84、5/3000/85、12/1250/85、15/1000/85	NA
DFEC15-24DXXW	9.5 – 36 VDC	15 W	±5/±1500/85、±12/±625/86、±15/±500/86	NA
DFEC15-48SXXW	18 – 75 VDC	15 W	3.3/4500/84、5/3000/86、12/1250/85、15/1000/85	NA
DFEC15-48DXXW	18 – 75 VDC	15 W	±5/±1500/86、±12/±625/86、±15/±500/86	NA

Note
1. "YES" means install a potentiometer to adjust the output voltage. "NA" means Not Applicable.

PEWATRON
a member of the Angst + Pfister Group

We are here for you. Addresses and Contacts

Sales Switzerland

Postcode 3000 – 9999
Liechtenstein

Matthias Rüegg
Ruhbergstrasse 32
CH-9230 Flawil

Phone + 41 44 877 35 18
Mobile + 41 76 491 66 66
Fax + 41 44 877 35 19

matthias.rueegg@pewatron.com

Postcode 1000 – 2999

Raffael Favaretto
Route d'Oron 124
CH-1673 Promasens

Phone + 41 44 877 35 22
Mobile + 41 76 444 63 14
Fax + 41 44 877 35 23

raffael.favaretto@pewatron.com

Sales Germany

Postcode 60000 – 79999

Dieter Hirthe
Mühlweg 23
D-71554 Weissach i.T.

Phone + 49 719 149 60 58
Mobile + 49 163 762 74 30
Fax + 49 719 193 31 88

dieter.hirthe@pewatron.com

Postcode 10000 – 59999
Postcode 80000 – 99999

Kurt Stritzelberger
Neumarkter Str. 86a
D-81673 Munich

Phone + 49 89 260 38 47
Mobile + 49 171 803 41 35
Fax + 49 89 43 10 91 91

kurt.stritzelberger@pewatron.com

Key Accounts
Aerospace and Defence

Claus Wübbena
Vogelkamp 26
D-26655 Westerstede

Phone + 49 4488 5204 614
Mobile + 49 173 9700 691
Fax + 49 4488 5204 616

claus.wuebbena@pewatron.com

Sales Austria

Kurt Stritzelberger
Neumarkter Str. 86a
D-81673 Munich

Phone + 49 89 260 38 47
Mobile + 49 17 18 03 41 35
Fax + 49 89 43 10 91 91

kurt.stritzelberger@pewatron.com

Sales Other Countries / Product Management

Sensors

Physical Sensors
Data Acquisition

Peter Felder
Phone + 41 44 877 35 05
peter.felder@pewatron.com

Geometrical Sensors

Eric Letsch
Phone + 41 44 877 35 14
eric.letsch@pewatron.com

Power Supplies

DC-DC Converters
Switching Power Supplies
DC-AC Inverters

Sebastiano Leggio
Phone + 41 44 877 35 06
sebastiano.leggio@pewatron.com

E-Components

Current Sensors
Man Machine Interface
Measurement Probes

Sebastiano Leggio
Phone + 41 44 877 35 06
sebastiano.leggio@pewatron.com

PEWATRON AG
Thurgauerstrasse 66
CH-8052 Zurich

Phone + 41 44 877 35 00
Fax + 41 44 877 35 25

www.pewatron.com
info@pewatron.com