

# DFE Series -DIN Rail Mount

DC/DC Converters: 15 ~ 60 Watts



## Features

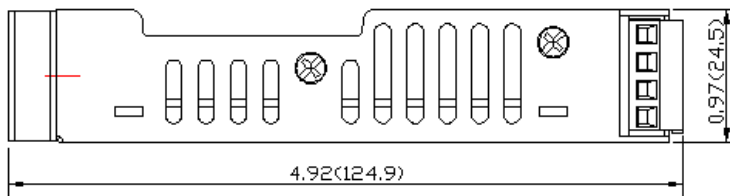
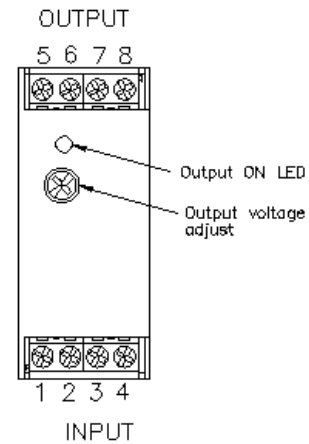
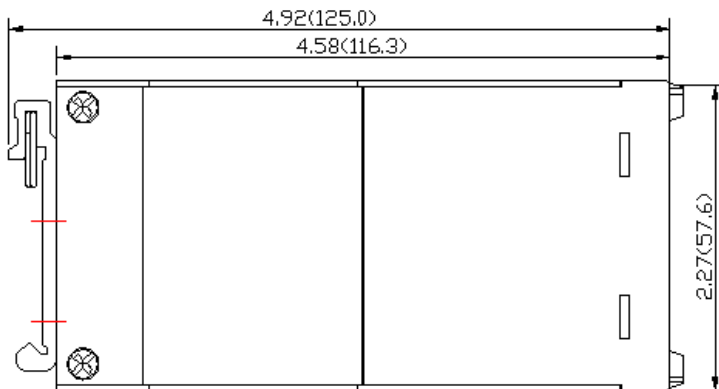
- DIN Rail DC/DC Converters
- Output Power from 15W to 60 W
- Offer Single, Dual Output
- Meet EN55022 Class B
- Internal input fuse protection
- Internal input reverse polarity protection
- Internal input in-rush current limit circuit
- Overload and short circuit protection
- Over voltage protection
- 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°C TO +85°C
- Case protection meet IP20(IEC60529)
- Output DC-OK indicator

## Description

The DFE series was designed, to convert pcb converter modules to DIN-Rail 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).

For "detailed" specification on each model, refer to FEC Series dc/dc converters

## Mechanical Details.



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

PIN CONNECTION			
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

# DFE Series – DIN Rail Mount

DC / DC Converters Single & Dual: 15 ~ 60 Watts

Model	Input V	Output Options				Trim	Power W
		V out /		Output A			
DFEC15-24SXXW	9.5-36V	3.3V 4.5A	5V 3.0A	12V 1.25A	15V 1.0A	NA	15W
DFEC15-24DXXW	9.5-36V	±5V 1.5A	±12V 0.625A	±15V 0.5A		NA	15W
DFEC15-48SXXW	18-75V	3.3V 4.5A	5V 3.0A	12V 1.25A	15V 1.0A	NA	15W
DFEC15-48DXXW	18-75V	±5V 1.5A	±12V 0.625A	±15V 0.5A		NA	15W
DFED20-24SXXW	9.5-36V	3.3V 5.5A	5V 4.0A	12V 1.67A	15V 1.33A	YES	20W
DFED20-24DXXW	9.5-36V	±5V 2.0A	±12V 0.833A	±15V 0.667A		NA	20W
DFED20-48SXXW	18-75V	3.3V 5.5A	5V 4.0A	12V 1.67A	15V 1.33A	YES	20W
DFED20-48DXXW	18-75V	±5V 2.0A	±12V 0.833A	±15V 0.66A		NA	20W
DFED20-12SXX	9.5V-18V	3.3V 5.0A	5V 4.0A	12V 1.67A	15V 1.33A	YES	20W
DFED20-12DXX	9.5-18V	±12V 0.833A	±15V 0.667A			NA	20W
DFED20-24SXX	18-36V	3.3V 5.0A	5V 4.0A	12V 1.67A	15V 1.33A	YES	20W
DFED20-24DXX	18-36V	±12V 0.833A	±15V 0.667A			NA	20W
DFED20-48SXX	36-75V	3.3V 5.0A	5V 4.0A	12V 1.67A	15V 1.33A	YES	20W
DFED20-48DXX	36-75V	±12V 0.833A	±15V 0.667A			NA	20W
DFEC30-24SXXW	10-40V	3.3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	YES	30W
DFEC30-24DXXW	10-40V	±12V 1.25A	±15V 1.0A			NA	30W
DFEC30-48SXXW	18-75V	3.3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	YES	30W
DFEC30-48DXXW	18-75V	±12V 1.25A	±15V 1.0A			NA	30W
DFEC30-12SXX	9.5-18V	3.3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	YES	30W
DFEC30-12DXX	9.5-18V	±12V 1.25A	±15V 1.0A			NA	30W
DFEC30-24SXX	18-36V	3.3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	YES	30W
DFEC30-24DXX	18-36V	±12V 1.25A	±15V 1.0A			NA	30W
DFEC30-48SXX	36-75V	3.3V 6.0A	5V 6.0A	12V 2.5A	15V 2.0A	YES	30W
DFEC30-48DXX	36-75V	±12V 1.25A	±15V 1.0A			NA	30W
DFEC40-24SXXW	9.5-36V	3.3V 10.0A	5V 8.0A	12V 3.33A	15V 2.66A	YES	40W
DFEC40-24DXXW	9.5-36V	±12V 1.667A	±15V 1.333A			NA	40W
DFEC40-48SXXW	18-75V	3.3V 10.0A	5V 8.0A	12V 3.33A	15V 2.666A	YES	40W
DFEC40-48DXXW	18-75V	±12V 1.667A	±15V 1.333A			NA	40W
DFEC40-12SXX	9.5-18V	3.3V 8.0A	5V 8.0A	12V 3.333A	15V 2.666A	YES	40W
DFEC40-12DXX	9.5-18V	±12V 1.8A	±15V 1.4A			NA	40W
DFEC40-24SXX	18-36V	3.3V 8.0A	5V 8.0A	12V 3.333A	15V 2.666A	YES	40W
DFEC40-24DXX	18-36V	±12V 1.8A	±15V 1.4A			NA	40W
DFEC40-48SXX	36-75V	3.3V 8.0A	5V 8.0A	12V 3.333A	15V 2.666A	YES	40W
DFEC40-48DXX	36-75	±12V 1.8A	±15V 1.4A			NA	40W
DFEC60-24SXX	18-36V	3.3V 14.0A	5V 12.0A	12V 5.0A	15V 4.0A	YES	60W
DFEC60-48SXX	36-75V	3.3V 14.0A	5V 12.0A	12V 5.0A	15V 4.0A	YES	60W

## Model Configuration:

1. Select Output power required
2. Select input voltage required
3. Select single output voltage option codes; ( 3.3 05 12 15 )
4. Select dual output voltage option codes: ( 12, 15 )
5. Replace **XX** with output voltage required
6. Examples Single Outputs: **DFEC15-24S05W**, **DFEC15-24S12W**, **DFEC15-48S15W**
7. Examples Dual Outputs: **DFEC20-24D12W**, **DFEC20-48D15W**, **DFEC30-12D12**