

Din Rail Product line PPT

(15W~960W)



Din Rail Product line (15W~960W)

Model No	Case	Output Voltage	PFC	Parallel supported	Product status	Safety approvals
IKD-15	Plastic case	5V、12V、24V		No	Mass production	32*92*103.7mm
IKD-30-S	Plastic case	5V、12V、24V		No	Mass production	32*92*103.7mm
IKD-60-S	Plastic case	5V、12V、15V、24V		No	Mass production	32*92*103.7mm
IKD-75	Metal case	12V、24V、48V	■	Yes	Mass production	UL/CE Approved
IKD-120	Metal case	12V、24V、48V	■	Yes	Mass production	UL/CE Approved
IKD-240	Metal case	24V、30V、48V	■	Yes	Mass production	CE Approved
IKD-360	Metal case	24V、36V、48V	■	Yes	Mass production	UL/CUL/CE/CB Pending
IKD-480	Metal case	24V、48V	■	Yes	Mass production	UL/CUL/CE/CB Pending

Din Rail Product line (15W~960W)

Model No	Case	Output Voltage	PFC	Parallel supported	Product status	Safety approvals
IKD-960-24	Metal case	24V、	■	Yes	Mass production	UL/CUL/CE/CB Pending
IKD-U75S (45mm width)	Metal case	24V、 48V			Mass production	CE Approved
IKD-U120S	Metal case	24V、 48V			Mass production	CE Approved
IKD-U240S	Metal case	24V、 48V			Mass production	CE Approved
IKDR-40 Parallel DC/DC module	Metal case	12~56V		YES	Mass production	CE Approved

Applications

■ **Factory Automation:**

Machine tool, Printing Machinery, Textile Machinery, Robot

■ **Transportation:**

Highway, Railway, Aviation information, Metro, Airport, Elevator

■ **The process control Filed:**

Chemical Industry, Water processing, Metallurgy, hydropower, Detection and identification device

■ **Electric power-generating equipment:** Wind power/Solar generation

■ **Medical Appliances**

Applications

■ DCS control system

■ Relay protection

■ New Energy: Wind Energy, PV inverter

Din Rail Products Position

	OEM	MW	Weidmuller	Phoenix	Siemens	PULS
Industries of Strength	Laser Device/Electric power/process automation	Transportation/Factory Automation	Factory Automation/Wind power/Solar generation	Factory Automation/Transportation	Factory Automation/Medical/transportation	Process control/Medical/transportation/Factory Automation
Sale Mode	Direct marketing +Distributor+ Differential services	Direct marketing+ Distributor(60~70%)	Distributor+Direct marketing	Distributor+Direct marketing	Distributor+Direct marketing	Direct marketing
Product	Full range +customized design , Middle and Low-end market	Full range, Middle and Low-end market	High-end market, Expensive	High-end market, Expensive	Famous brand, High-end market, Expensive	Strong Technology, High-end market, Expensive, but not popular in china

Compared with Meanwell, Our OEM strengths as

1) IKD PLD series equivalent Meanwell SDR PLD series

Our strengths:

A)our IKD PLD series is slimmer than SDR/DR PLD series;

IKD-30/60-S	32*92*103.7mm	IKDR-30/60	78*93*56mm(Economic type)
IKD-75/120	32*124*119mm	IKSDR-120	40*125.2*113.5mm
IKD-240	45*124*119mm	IKSDR-240	63*125.2*113.5mm
IKD-480	60*124*127mm	IKSDR-480	85.5*125.2*128.5mm

B)high efficiency up to 94.5%;

C)Our IKD PLD series (75W~960W)with parallel function ;

D)Our Din Rail products is crossed to the world No.1 PULS brand level to design.

But our price is much competitive than MW.

Compared with Meanwell, Our OEM strengths as

2) IKD-U PLD series equivalent Meanwell PLD DR/DRP/NDR/EDR series

Our OEM strengths:

A) slimmer than MW DR/NDR PLD series;

IKD-U75S 45*124*119mm IKDR-75 55*125.2*100mm

IKD-U120S 45*124*119mm IKDR-120 65.5*125.2*100mm

IKD-U240S 50*124*127mm IKDRP-240 125.5*125.2*100mm

B) Our price is much competitive than MW.

Din Rail products general Features

- **Leading high power density in industry**

Din Rail product size is smaller 30% than standard models

- **High Efficiency**

High conversion rate, Low power consumption, High efficiency up to 94%

- **Powerful**

Output voltage up to 110%,The output power up to 110%

Din Rail product can withstand current up to 150% within 3S.

High-end products features:

- Universal Ac input/Full range
- Protections: short circuit/overload/over voltage/over temperature (Except for IKD-30/60)
- Built-in active PFC function, $PF \geq 0.95$ (Except for IKD-30/60)
- Built-in current sharing function (Except for IKD-30/60)
- Built-in current limiting circuit
- 150% peak load capacity
- Cooling by free air convection.
- Isolation Class: Class II (only IKD-30/60)
- Wide working temperature ($-25^{\circ}\text{C} \sim 70^{\circ}\text{C}$) and can work long-time with full load at 60°C . (Except for IKD-30/60)
- Built-in DC OK relay contact.
- Can be installed on TS-35/7.5 or TS-35/15
- High efficiency, High Reliability and long life.
- 3 years warranty .

Economic products features:

- Universal input 90Vac~ 264Vac, Except for IKD-L/H240S
90~132/176~264Vac selected by switch)
- Built-in current limiting circuit;
- Protections: short circuit/overload/over voltage/over temperature.
- Wide working temperature: (-20°C ~50°C)
- Can be installed on Din Rail TS-35/7.5 or TS-35/15
- Cooling by free air convection.
- 100% full load burn-in test
- High efficiency and High Reliability.
- 3 years warranty

IKD-30/60 PLD series



32*92*103.7mm(W*H*D)

Ultra-slim, 32mm width

- Universal AC input range(85~264Vac)
- High efficiency up to 88%
- Output protections: OVP/OLP/SCP
- Wide operating ambient temp (-25°C ~50°C)
- No load power consumption <1W
- LED indicator for power on.
- Excellent Partial Load Efficiency
- Cooling method: Convection
- Installed on TS-35/7.5 or TS-35/15

IKD-75/120 PLD series



32*124*119mm(W*H*D)

Ultra-slim, 32mm width

UL//CE/FCC

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system (suggest to use redundancy modules.)
- Built-in active PFC,PF>0.95
- High efficiency up to 91%
- Built-in current sharing function
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C ~70°C)
- 150%(180W) peak load capacity
- Easy Fuse Tripping due to High Overload Current
- Excellent Partial Load Efficiency
- Built-in DC OK relay contact
- Cooling method: Convection
- Can be installed on TS-35/7.5 or TS-35/15

IKD-U120 PLD series



- Universal AC input range(85~264Vac)
- DC input 127-370VDC
- High efficiency up to 88%
- Built-in current limiting circuit
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-20°C ~70°C)
- 100% full load burn-in test
- Cooling method: Convection
- Can be installed on Din Rail TS-35/7.5 or TS-35/15

45*124*119mm(W*H*D)

CE approved

IKD-240 PLD series



- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system
- Built-in active PFC,PF>0.95
- High efficiency up to 94%
- Constant current output
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C ~70°C)
- 150%(360W) peak load capacity
- Built-in DC OK relay contact
- Cooling method: Convection
- Can be installed on Din Rail TS-35/7.5 or TS-35/15

45*124*119mm(W*H*D)

CE approved

IKD-360 PLD series



50*124*127mm(W*H*D)

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system
(suggest to use redundancy modules.)
- Built-in active PFC, PF>0.95
- High efficiency up to 93%
- Built-in current sharing function
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C ~70°C)
- 150%(540W) peak load capacity
- Easy Fuse Tripping due to High Overload Current
- Built-in DC OK relay contact
- Cooling method: Convection
- Can be installed on TS-35/7.5 or TS-35/15

IKD-480 PLD series



60*124*127mm(W*H*D)

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system
(suggest to use redundancy modules.)
- Built-in active PFC, PF>0.95
- High efficiency up to 93.8%
- Built-in current sharing function
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C ~70°C)
- 150%(720W) peak load capacity
- Easy Fuse Tripping due to High Overload Current
- Built-in DC OK relay contact
- Cooling method: Convection
- Can be installed on TS-35/7.5 or TS-35/15

IKD-960 PLD series



110*124*127mm(W*H*D)

- Universal AC input range(85~264Vac)
- Support 1+1 or N+1 redundant system (suggest to use redundancy modules.)
- Built-in active PFC,PF>0.95
- High efficiency up to 94%
- Built-in current sharing function
- Output protections: OVP/OLP/SCP/OTP
- Wide operating ambient temp (-25°C ~70°C)
- Easy Fuse Tripping due to High Overload Current
- Built-in DC OK relay contact
- Cooling method: Convection
- Can be installed on TS-35/7.5 or TS-35/15

Design roadmap in the future 3-5 years

Din Rail product Features:

Products available now:

single phase high-level products

single phase economical products

isolated DC-DC module

Design Roadmap in the future 3~5 years:

G2 single-phase high-level products (Intelligent control)

3-phase high-level products

DC UPS PLD series

Buffer module

Current Divider

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THANK YOU!