



- Temporary Immersion in Water
- Universal Input (85 - 265VAC)
- Rugged Construction
- Class II
- High Efficiency

Key Market Segments & Applications

LED Lighting
LED Signage

IPS Series

Single Output iP67
Rated Power Supplies

IPS Features and Benefits

Features

- IP67 Rated
- Vacuum Encapsulated
- Wide range AC Input

Benefits

- Can be used in wet applications
- Robust
- Supports global use

Specifications

MODELS		IPS50	IPS75	IPS100
ITEMS				
Input Voltage range		90 - 264VAC (47 - 63Hz) or 100 - 353VDC		
Input Current (Typ)	A	2A		
Inrush Current (230 VAC, cold)	A	65A		
Power Factor	-	Meets EN61000-3-2		
Temperature Coefficient	-	<0.01%/°C		
Overcurrent Protection	-	105 - 130% of nominal, foldback		
Overvoltage Protection	V	120% typical		
Hold Up Time (Typ)	ms	50		
Leakage Current (@230VAC, 50Hz)	mA	< 200mA		
Indicator (DC Good)	-	LED		
Operating Temperature		-25°C to +70°C: 50W derate linearly to 60% load from 50°C to 70°C, 75 & 100W: to 40% load		
Storage Temperature	-	-40 to +85°C		
Humidity		Operating: 10 - 90%RH, Non operating 10 - 95%RH		
Cooling		Convection cooled. Keep center of module to <96°C		
Withstand Voltage (4)	-	Input to Output 3.3kVAC		
Vibration (non operating)		10 - 55Hz (1 minute sweep), 19.6m/s ² constant X, Y, Z 1 hour		
Shock	-	< 196.1 m/s ²		
Safety Agency Approvals (5)	-	UL60950-1, EN60950-1, CE Mark		
Line Dip		Complies with SEMI F47 (200VAC line only)		
Conducted & Radiated EMI	-	EN55011 / EN55022, FCC Class B		
Immunity	-	IEC61000-4-2, -3, -4, -5, -6, -11		
Weight (Typ)	g	850		
Size (WxHxD) (excl. connectors)	mm	85 x 35 x 170		
Switching Frequency	kHz	70kHz		
Warranty	yrs	3 yrs		



Model Selector

Model	Output Voltage	Max Curr. (A)	Load Reg. (mV)(2)	Line Reg. (mV)	Ripple & Noise (mV)	Efficiency (typ) %
IPS50-5	5V	10.0	50	50	100	79
IPS50-24	24V	2.1	240	240	480	88
IPS50-36	36V	1.4	360	360	720	88
IPS50-48	48V	1.04	480	480	960	88
IPS75-12	12V	6.0	120	120	240	84
IPS75-15	15V	4.8	150	150	300	84
IPS100-24	24V	4.0	240	240	480	88
IPS100-36	36V	3.0	360	360	720	88
IPS100-48	48V	2.0	480	480	960	88

Options

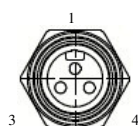
Suffix	Description
/D	Din Rail
/A	Amphenol connector option
/DA	Amphenol connector and Din Rail
Turck connectors as standard	

For full data and drawings please visit
www.emea.tdk-lambda.com/www/ips

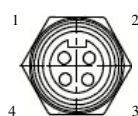
Input Connectors IPS Series

Turck connectors

Pin	Input Connection
1	PE
3	AC Live
4	AC Neutral

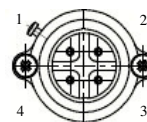


Pin	Output Connection
1	+DC
2	0V
3	0V
4	+DC

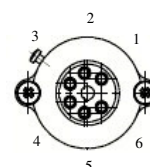


Amphenol connectors

Pin	Input Connection
1	AC Live
2	AC Neutral
3	N/C
4	PE

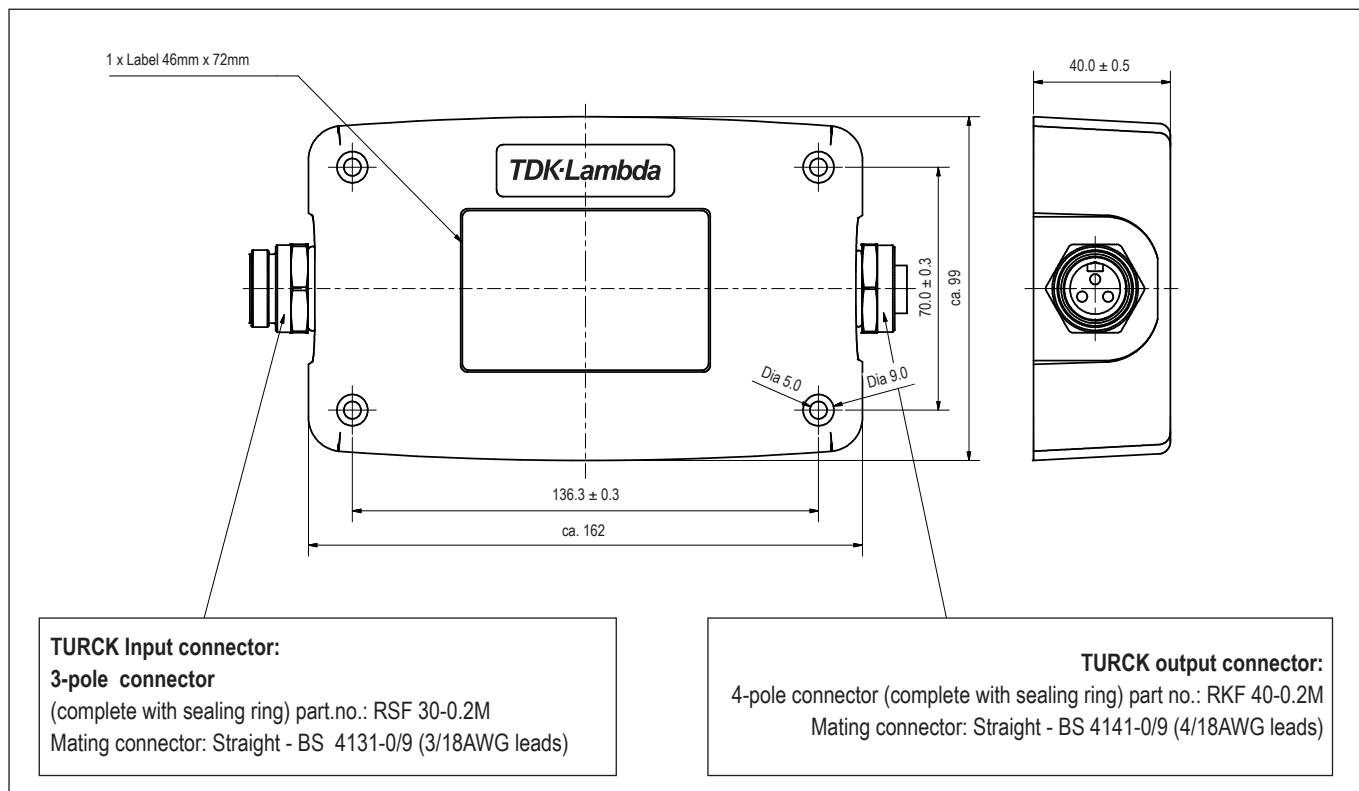


Pin	Output Connection
1	+DC
2	+DC
3	+DC
4	0V
5	0V
6	0V

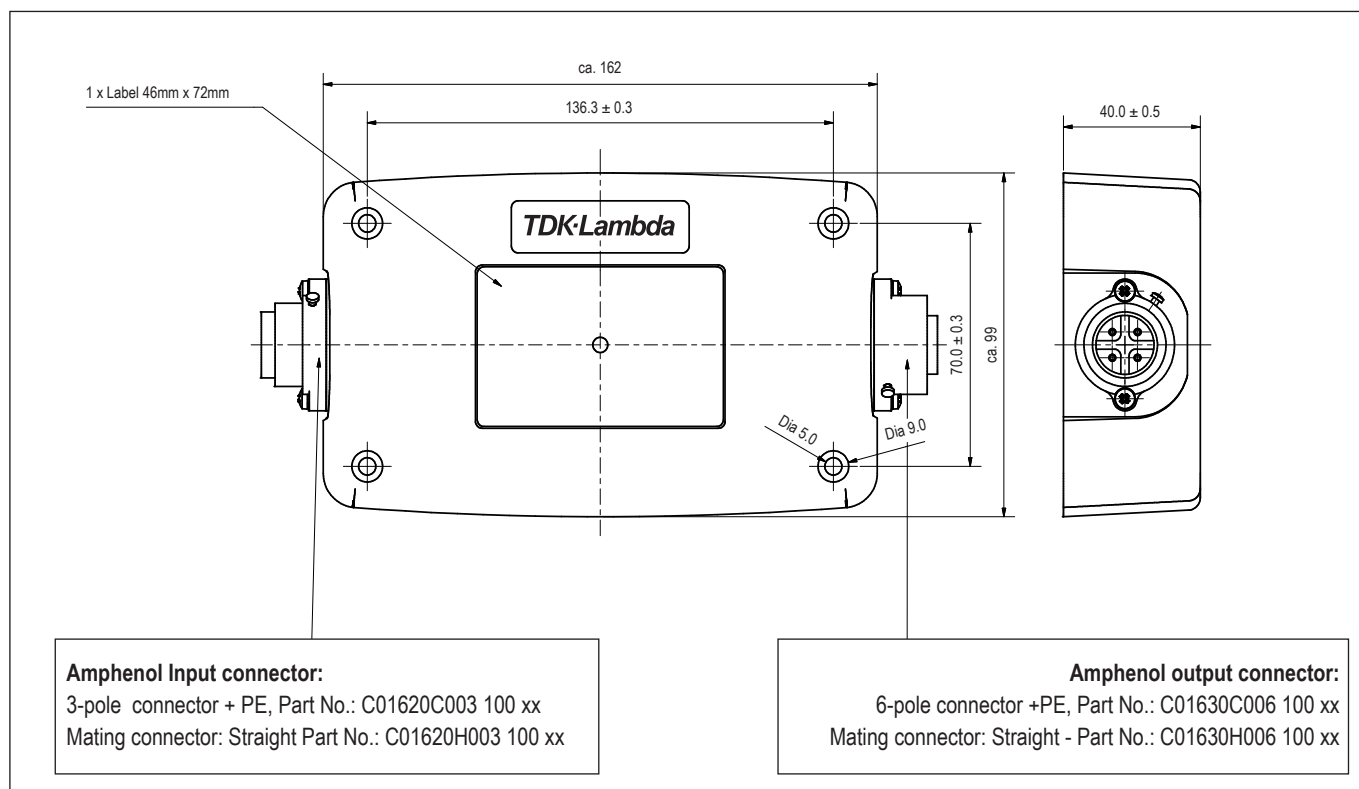




Outline Drawing TURCK Input Connector



Outline Drawing Amphenol Input Connector





TDK-LAMBDA EMEA

www.emea-tdk-lambda.com



TDK-Lambda France SAS

ZAC des Delaches
BP 1077-Gometz-le-Chatel
91940 Les Ulis
France
Tel: +33 1 60 12 71 65
Fax: +33 1 60 12 71 66
france@fr.tdk-lambda.com
www.fr.tdk-lambda.com



TDK-Lambda Italy

Via dei Lavoratori 128/130
20092 Cinisello Balsamo (MI)
Italy
Tel: +39 02 61 29 38 63
Fax: +39 02 61 29 09 00
info.italia@it.tdk-lambda.com
www.it.tdk-lambda.com



TDK-Lambda Germany GmbH

Karl-Bold-Strasse 40
77855 Achern
Germany
Tel: +49 7841 666 0
Fax: +49 7841 5000
info.germany@de.tdk-lambda.com
www.de.tdk-lambda.com



Austria Sales Office

Aredstrasse 22
2544 Leobersdorf
Austria
Tel: +43 2256 655 84
Fax: +43 2256 645 12
info.germany@de.tdk-lambda.com
www.de.tdk-lambda.com



TDK-Lambda UK Ltd.

Kingsley Avenue
Ilfracombe
Devon EX34 8ES
United Kingdom
Tel: +44 (0) 12 71 85 66 66
Fax: +44 (0) 12 71 86 48 94
powersolutions@uk.tdk-lambda.com
www.uk.tdk-lambda.com



Nemic Lambda Ltd.

Kibbutz Givat
Hashlosha 48800
Israel
Tel: +9 723 902 4333
Fax: +9 723 902 4777
info@nemic.co.il
www.nemic.co.il

LOCAL DISTRIBUTION