



- 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

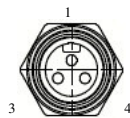
Turck connectors as standard

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

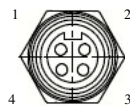
Input Connectors IPS Series

Turck connectors

Pin	Input Connection
1	PE
3	AC Live
4	AC Neutral

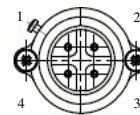


Pin	Output Connection
1	+DC
2	0V
3	0V
4	+DC

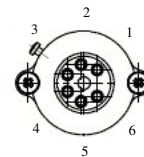


Amphenol connectors

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

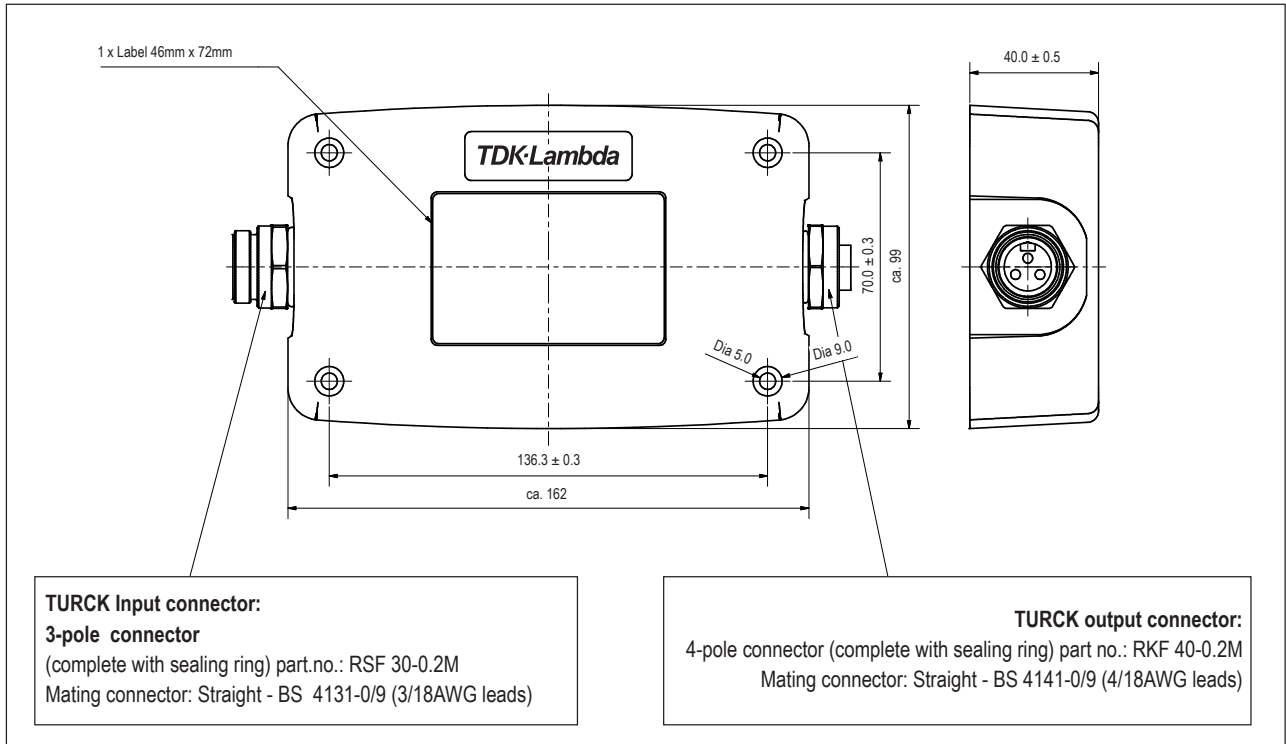


Pin	Output Connection
1	+DC
2	+DC
3	+DC
4	0V
5	0V
6	0V

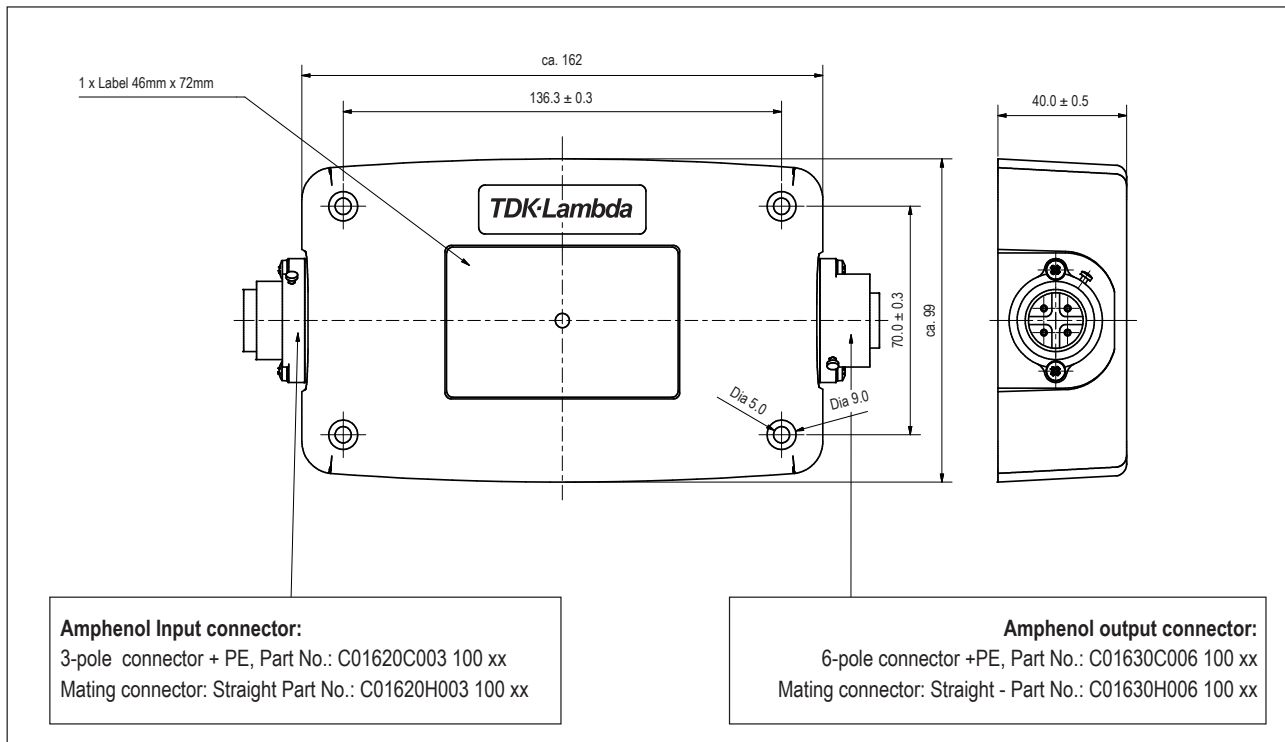




Outline Drawing TURCK Input Connector



Outline Drawing Amphenol Input Connector





TDK-LAMBDA EMEA

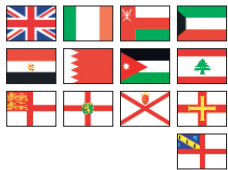
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