

**General**

The IEXTS/... (single output) & IEXTD/... (dual output) are a range of isolated DC/DC converters with a large selection of input and output combinations as shown in the model table below.

MODEL CODES												
	IEXTD/.. "A" type outputs				IEXTD/.. "B" type outputs				Single Output (IEXTS/)			
	Input	Output Options			Input	Output Options			Input	Output Options		
	V	V	A	W	V	V	A	W	V	V	A	W
IEXTD(S)/LV- vx/yz	9-18	3.3	5	16	9.4-36	3.3	3.7	12	9-18	3.3	5	16.5
		5	5	25			5	3		15		5
IEXTD(S)/MV- vx/yz	18-36	12	2.5	30	9.4-36	12	1.2	15	18-36	10	2.5	25
		15	2.0	30			15	1		15		12
IEXTD(S)/HV- vx/yz	36-72				18-72				36-72	15	1.7	25
												24
										30	1.0	30

**NOTES**

**1 Single Output:** 2 wires out, eg. **IEXTS/MV-24A:** input: 18-36V, output: 24V, 30W

**2 Dual Output:** IEXTD/... Output 1 = vx, Output 2 = yz, where: v = Voutput1, y = Voutput 2, x, z = "A" or "B" type of output

Examples of coding:

- **Dual Output with centre common:** 3 wires out, eg. **IEXTD/LV-12A/12A:** input: 9.4-36V, output:  $\pm 12V$ , 60W (total) or 24V, 60W
- **Independent Dual Outputs:** 4 wires out, eg. **IEXTD/LV-12B/5A-1:** **Output 1:** input = 9.4-36, output = 12V, 15W  
**Output 2:** input = 9-18V, output = 5V, 25W

**SPECIFICATIONS** All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

**ELECTRICAL**

<b>DC Input</b>	Refer to model table
<b>Output</b>	Refer to model table, 3.3 - 30VDC
<b>Power</b>	12 to 60W
<b>Protection</b>	<b>Input:</b> Fuse <b>Output:</b> Short circuit / overload / overvoltage
<b>Isolation</b>	1KV DC input / output
<b>Efficiency</b>	80 to 85%
<b>Line Regulation</b>	"A" & "B" types: $\pm 1\%$ max IEXTS: $\pm 0.5\%$
<b>Load Regulation</b>	"A" type $\pm 1\%$ (10-100% load) "B" type $\pm 3\%$ (10-100% load) IEXTS: $\pm 0.5\%$ (10-100% load)
<b>EMI conduction &amp; radiation</b>	To EN55022/CISPR22 Class B
<b>Operating temperature</b>	-25 to 70°C

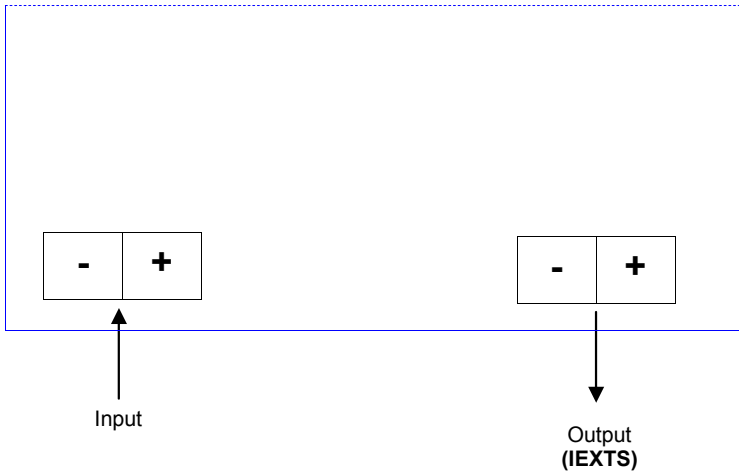
**PHYSICAL**

<b>Enclosure</b>	<b>Base:</b> anodised aluminium <b>Cover:</b> black powder coated mild steel
<b>Dimensions (mm)</b>	180 x 75 x 35H
<b>Weight</b>	450g (approx.)
<b>Mounting</b>	M5 $\varnothing$ holes 164 x 46 mm, and/or: M3 threaded inserts 164 x 66 mm  Suitable for DIN Rail mounting with additional clips, add <b>DINKIT</b>
<b>Output Connections</b>	Phoenix connector, or flying leads colour coded as per wiring diagrams



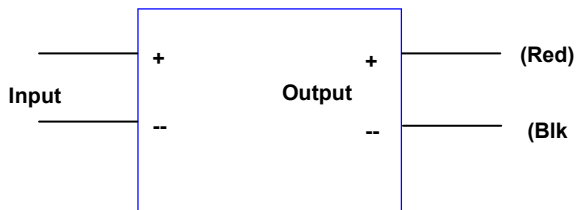
**Connections**

Terminal Layout

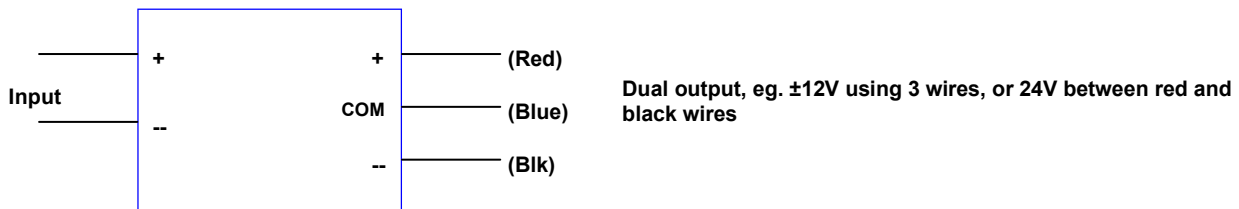


**Wiring Diagrams (colour codes for optional flying leads)**

**1. Single output, eg. IEXTS/MV-24**



**2. 3 Wire output, eg. IEXTD/LV-12B/12B, IEXTD/LV-15A/15A**



**3. 4 Wire output, eg. IEXTD/xV-xxx/xxx-1**

