

DC Current transducer DK-B020/420

A split core transducer for the electronic measurement DC current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit) with current output.









$I_{PN} = 50 ... 400 A$



Electrical data

Pri	mary Nominal Current	Analogue Output Signal ¹⁾	Types	RoHS	
	I _{PN} (A.t)	I _{OUT} (mA)		Date Code	
	50,75,100	0-20	DK 100 B020	MAY 2006	
	100,150,200	0-20	DK 200 B020	planned	
	150,225,300	0-20	DK 300 B020	planned	
	200,300,400	0-20	DK 400 B020	planned	
	50,75,100	4-20	DK 100 B420	planned	
	100,150,200	4-20	DK 200 B420	MAY 2006	
	150,225,300	4-20	DK 300 B420	planned	
	200,300,400	4-20	DK 400 B420	planned	
V _c	Supply voltage	20-50 V DC	22-38	V AC	
R_{L}	Load resistance (m	ax)	650 max.	Ω	
$V_{\rm b}$	Rated voltage (CAT	III, PD2)	150	V AC	
V_{d}	Isolation voltage		3000	V	
f	Frequency		DC		
ا	Current consumption	on (max)	100	mA	
1 1					

-0 _A ,
%
%
%
%
mS
100
√√0°C
°C
g

Notes: 1) For 0-20 mA and 4-20 mA outputs models, no saturation outputs up to 23 mA

²⁾ For IEC 61000-4-3, IEC 61000-4-6 and IEC 61000-4-4 Criterion B: temporary impairment to operational behavior.

Remark: Temperature of the primary conductor should not exceed 60°C.

Features

- DC Measurement
- Split core box
- Current output
- Jumper selectable ranges
- Panel mounting
- Extended measuring range

Advantages

- Large aperture
- High isolation between primary and secondary circuits
- Easy to mount
- No insertion losses

Applications

- Battery Banks
 - Monitors load current
 - Monitors charging current
 - Verifies operation
- Transportation

Measures traction power or auxiliary loads

Electric Heating Elements
Faster response than temperature sensors

Options on request

DIN mounting

Application domain

Industrial.

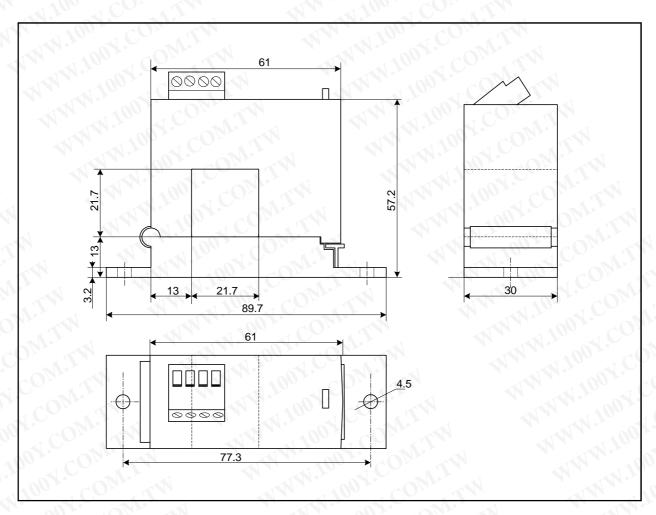
LEM reserves the right to carry out modifications on its transducers, in order to improve them, without previous notice.

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勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw



Dimensions DK-B020/420 (unit : mm, 1 mm = 0.0394 inch)

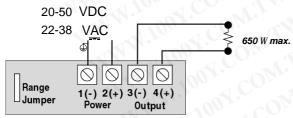


Mechanical characteristics

General tolerance ± 1 mm
Primary aperture 21.7 mm sq.
Panel mounting 2 holes Ø 4.5 mm
Distance between holes 77.3 mm

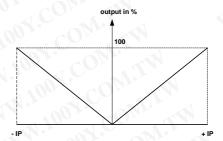
Connections

• 2 x UNC8 Cylindric Head



- dead front captive screw terminals
- 12-22AWG solid or stranded

Standard output



060616/11