

## HIGHLIGHTS

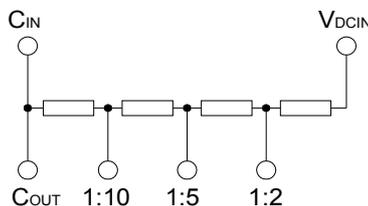
- Easy and simple
- High reliability
- Low cost
- Up to 2000V<sub>DC</sub> input
- Only for industrial use
- 3 outputs (1:10, 1:5 & 1:2 V<sub>DCIN</sub>)



non-contractual photo

SCDV1052 is a simple resistive voltage divider for general feedback applications without galvanic isolation. Closed feedback applications are possible up to 2000V<sub>DC</sub> working voltages, avoiding dangerous voltages in the control circuits. Capsule design offers a high mechanical reliability for industrial applications.

## INTERNAL SCHEME



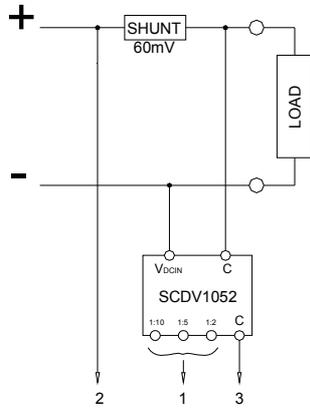
## GENERAL DATA

INPUT DATA	Value	Tolerance
Maximum input voltage	2000 V <sub>DC</sub>	
Minimum recommended input voltage	100V <sub>DC</sub>	
Nominal input impedance	2,2x10 <sup>6</sup> Ohms	±5%
OUTPUT DATA	Value	Tolerance
1:2 out	V <sub>DCIN</sub> /2	±10%
Nominal output impedance	1,1x10 <sup>6</sup> Ohms	±5%
1:5 out	V <sub>DCIN</sub> /5	±10%
Nominal output impedance	440x10 <sup>3</sup> Ohms	±5%
1:10 out	V <sub>DCIN</sub> /10	±10%
Nominal output impedance	220x10 <sup>3</sup> Ohms	±5%
TERMINAL SPECIFICATIONS		
Input & output	2,8x0,8 male Fast-on plug	
ENVIRONMENT SPECIFICATIONS		
Protection grade (EN-60529 / CEI529 / UNE-20324)	IP-00	
Humidity max.	50% RH @ 35°C / 90% RH @ 20°C	
Pollution degree	III	
Isolation	2500 V <sub>RMS</sub> / 1 min	
MECHANICAL SPECIFICATIONS		
Dimensions	20x92x30 mm.	
Mounting holes	2xØ5,3mm	
Approximate weight	80 grs.	

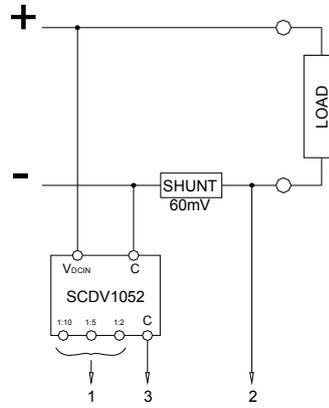
101203 Rev.:0

### TYPICAL CIRCUIT APPLICATION

Application example for SC200x and SC600x circuit control boards.

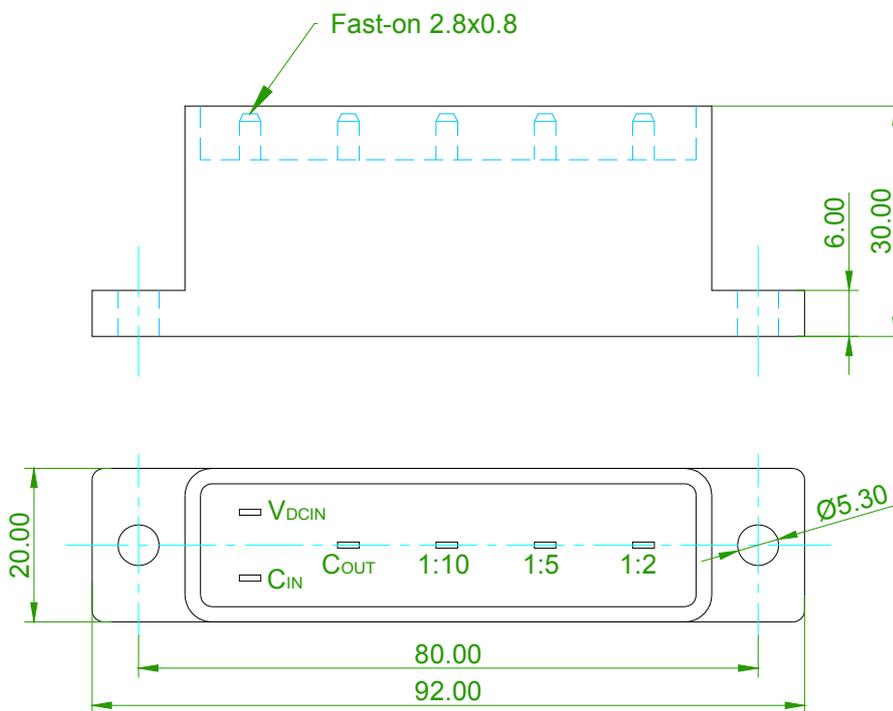


Shunt in positive line



Shunt in negative line

### DIMENSIONS



# Cost Effective Products

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**Tentative information:** This is the most tentative form of information and represents a very preliminary specification. No actual design work on the product has been started.

**Preliminary Information:** The product is in design and development. The datasheet represents the product as it is understood but details may change.

**Advance Information:** The product design is complete and final characterisation for volume production is well in hand.

**No Annotation:** The product parameters are fixed and the product is available to datasheet specification.

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