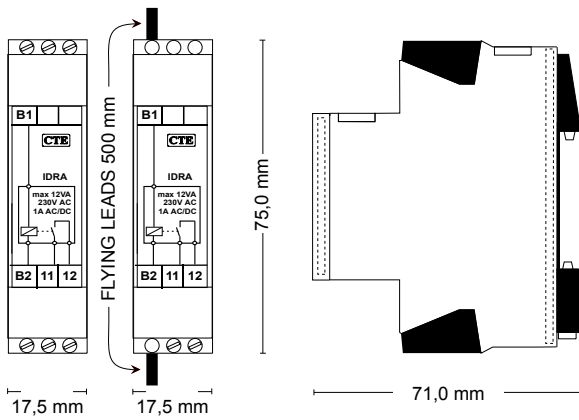




## DC HIGH CURRENT RELAY

Type: IDRA

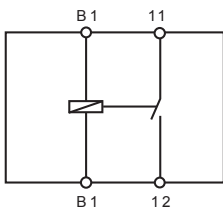


### FEATURES

- **Cost effective solution**
- **4 current sensitivities: 3, 6, 10, 16 A**
- **Compact size**
- **3 models with flying leads for high continuous current**

### CONNECTION DIAGRAM

Rail mounting



### SPECIFICATIONS

INPUT		DC current	
Input Range:			
Max. continuous current	Pull in	Drop out	
10 A Terminal connection	3.0 A	1.5 A	
16 A 2.5 mm <sup>2</sup> Flying leads	6.0 A	3.0 A	
20 A 4.0 mm <sup>2</sup> Flying leads	10 A	5.0 A	
32 A 6.0 mm <sup>2</sup> Flying leads	16 A	8.0 A	
<b>PERFORMANCE PARAMETERS</b>			
Pull in	+20% -30%		
Drop out	+30% -30%		
<b>OUTPUT</b>			
Switching capacity	12 W/VA		
Switching voltage	230 Vac/dc		
Switching current	Max. 1.0 A		
Carrying current	Max. 2.0 A		
Contact resistance	100 mOhm		
<b>GENERAL</b>			
Temperature range	- 25 °C to + 55 °C ambient		
Humidity	Up to 90 % RH non-condensing		
Dielectric test voltage	4000 VAC		
Weight	Version		
	3.0 A	40 g	
	6.0 A	80 g	
	10 A	100 g	
	16 A	125 g	



International Standards  
 EMC directive 89/336: EN50081 - Emission  
 EN50082 - Immunity  
 Low voltage directive 73/23: EN60255 - Electrical Relays

### Description:

The IDRA DC current relay is a miniaturized and cost effective solution for monitoring the presence of a DC current. The units for currents above 10 A are, in order to allow for a high continuous current, supplied with 500 mm flying leads of 2.5, 4.0 or 6.0 mm<sup>2</sup>.

The current is monitored by means of a Reed Relay, and the set point is fixed.

### Application:

Used as input to PLC's for over or under current surveillance of DC loads or charging currents.

### ORDERING INFORMATION

#### EXAMPLE:

**TYPE**  
DC current relay

**SENSITIVITY (Pull in)**  
3.0 A  
6.0 A  
10 A  
16 A

**CONNECTIONS**  
Terminal connection  
2.5 mm<sup>2</sup> Flying leads  
4.0 mm<sup>2</sup> Flying leads  
6.0 mm<sup>2</sup> Flying leads

**ADJUSTMENT**  
Fixed sensitivity

**HOUSING**  
Rail mounting

**SIZE**  
17.5 mm

**CODE**  
Code end  
Extended code

