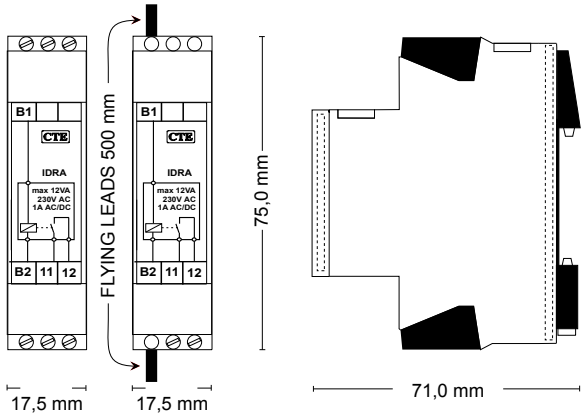


DC HIGH CURRENT RELAY

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**

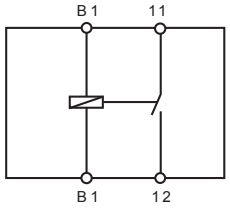
Description:
The IDRA DC current relay is a miniaturized and cost effective solution for monitoring the presence of a DC current. The units for currents above 10 A are, in order to allow for a high continuous current, supplied with 500 mm flying leads of 2.5, 4.0 or 6.0 mm^2.

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.

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^2 Flying leads	6.0 A	3.0 A
20 A	4.0 mm^2 Flying leads	10 A	5.0 A
32 A	6.0 mm^2 Flying leads	16 A	8.0 A
PERFORMANCE PARAMETERS			
Pull in		+20% -30%	
Drop out		+30% -30%	
OUTPUT		Reed contact	
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	
GENERAL			
Temperature range		- 25 °C to + 55 °C ambient	
Humidity		Up to 90 % RH non-condensing	
Dielectric test voltage		Input to contact	4000 VAC
Weight		Version	
		3.0 A	40 g
		6.0 A	80 g
		10 A	100 g
		16 A	125 g

CE

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

ORDERING INFORMATION

EXAMPLE: IDRA 6000 2500 F A 1 C

TYPE	
DC current relay	IDRA
SENSITIVITY (Pull in)	
3.0 A	3000
6.0 A	6000
10 A	1002
16 A	1602
CONNECTIONS	
Terminal connection	0000
2.5 mm^2 Flying leads	2500
4.0 mm^2 Flying leads	4000
6.0 mm^2 Flying leads	6000
ADJUSTMENT	
Fixed sensitivity	F
HOUSING	
Rail mounting	A
SIZE	
17.5 mm	1
CODE	
Code end	C
Extended code	E

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