

ICD50

Imbalance Current Detector

The ICD is an Imbalance Current Detector for ground fault detection. It detects current leakage between a high DC voltage source and its loads.

If a ground fault is detected, the ICD commands the circuit contactor to open to protect the loads.

Self-test functionalities are embedded in the ICD to provide reliable human and equipment protection.



ICD50A-50/90 shown

HIGHLIGHTS

- Non intrusive fault detection
- Embedded self-test
- No calibration required
- Adjustable thresholds
- Robust and reliable product designed for railway applications

MODELS & FEATURES

Part Number Base	ICD50A	ICD50A	ICD50A
Add suffix "M" for metric external fasteners	23/42.5	50/90	23/90
Operating Voltage	37.5V _{DC}	72V _{DC}	37.5-72V _{DC}
Leakage Threshold	F	F	F
Inputs	2	2	2
Status Outputs	2	4	4
Extended Leakage Thresholds	-	-	-
Load Voltage	1000V _{DC}	1000V _{DC}	1000V _{DC}
Load Current	50A	50A	50A
Length X Height X Depth 3.00" X 6.89" X 5.97"	X	X	X

X = Included, O = Optional, F = Factory Configurable

APPLICATION DIAGRAM

