

# 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

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

### SERVICE PROVEN

**ICD50** | Kawasaki (via ABB) | NY Metro North M9 New York, USA

### MODELS & FEATURES

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

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