ICD

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 its load.

ICD25A-23/42.5T shown

HIGHLIGHTS

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

SERVICE PROVEN

ICD40 | Kawasaki via ABB| WMATA 7K
Washington, DC, USA

ICD40 | Kawasaki via ABB| PATH Subway
New York/New Jersey, USA

ICD40 | Bombardier via ABB| Hiawatha Corridor Bi-Levels
Northstar Commuter Rail | Minneapolis, MN, USA

ICD40 | Bombardier via ABB| TTC Rocket Subway
Toronto, ON, Canada

ICD40 | Alstom via ABB| MTA Refurbishment
Baltimore, MD, USA

MODELS & FEATURES

Part Number Base Add suffix "M" for metric external fasteners	**ICD25A 23/42.5**	**ICD40A 23/42.5**	**ICD40A 23/42.5 500mA**
Operating Voltage	37.5V_{DC}	37.5V_{DC}	37.5V_{DC}
Leakage Threshold	F	F	500mA
Inputs	1	1	1
Status Outputs	2	2	2
Extended Leakage Thresholds	-	-	X
Load Voltage	1000V_{DC}	1000V_{DC}	1000V_{DC}
Load Current	25A	40A	40A
Length X Height X Depth **8.13" X 8.25" X 5.00"**	X	X	X

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