

GBFD1

Ground Brush Failure Detector

The Ground Brush Failure Detector (GBFD) monitors the current of up to two (2) power lines and provides a status output for each of them. The GBFD detects low current events on normally high current conductors to inform the train monitoring system of ground brush failures.



GBFD1 shown

HIGHLIGHTS

- Dual-power line current sense
- Fully Waterproof
- Strong enclosure for very harsh environments (can be installed under the car)

SERVICE PROVEN

GBFD1 | Design for BART Propulsion System | Bombardier California, USA

MODELS & FEATURES

Part Number Base	GBFD1
Operating Voltage¹	37.5V _{DC}
Current Detection Level Configurable	X
Number of Channels	2
Number of Inputs	2
Number of Status Outputs	2
Load Voltage per Channel	1000V _{DC}
Load Current per Channel	100A
Length X Height X Depth 8.50" X 3.12" X 1.56"	X

¹ Different operating voltage upon request.

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