



The Protas GR3000X Series Grounding System provides reliable and continuous grounding for road tankers and portable industrial equipment. Operating with capacitive and resistance monitoring technology, this system ensures a secure working environment by switching to the “permitted” mode only when a safe connection is established.

The system continuously monitors grounding status with built-in LED indicators and safety interlocks, providing real-time information to operators. In case of any connection loss or power outage, it automatically halts the operation, adding an extra layer of safety.

Manufactured in compliance with ATEX and IEC standards, the GR3000X Series is durable in challenging working conditions and delivers reliable performance in hazardous areas, such as environments with

explosive gases or dusty conditions. With its safety-focused design, it is an ideal solution for facilities aiming to enhance safety in industrial settings.



Specifications	GR3000X Series Grounding System
Power supply	230/240V 50Hz system
Power rating	10 watt
Ambient temperature range	-40C to +70C
Ingress protection	IP66
Weight	4.5 kgs (nett)
Construction	Copper-free cast-alloy
Certification	Ex d[ia] IIC T6 Gb(Ga) Ex tb IIIC T80°C IP66 Db Ta = -40°C to +70°C
Monitoring circuit	Intrinsically safe
Minimum tanker capacitance	1000 pF Operational series ground resistance 10 Ohm
Non I.S. Output relay contact rating	2 off voltage free change-over switch contacts, 250Vac, 5A, 500VA max resistive 30Vdc, 2A, 60W max resistive
PCB terminal torque	0.5 Nm
Cable entries	7 x M20
Terminals	2 x 2.5mm <sup>2</sup> conductor capacity
Clamp design	2 pole with tungsten carbide contacts
Clamp Body	Stainless steel
Clamp Cable Cover	Blue Cen-Stat Hytrel sheath (Static dissipative, chemical & abrasion resistant)
Clamp Cable Conductors	2 x 1.00mm <sup>2</sup> copper
Clamp Cable Length	10 metres