

Antares Self-Eject Inlet Systems

AUTOMATIC SAFETY PROTECTED VEHICLE INLET SYSTEMS



The Antares self-eject range offers an innovative solution for safely connecting mains or low voltage DC power to specialist vehicles in a single, robust connector. With the optional capability for compressed air.

Choice of operation:

The standard self eject mechanism immediately disconnects the power (and air line) by the sensed ignition switch before the engine has started — the vehicle can then be safely driven away. An alternative release method is the manual activation button on the fascia.

The power contacts use spring- loaded silver nickel alloy butt connections giving longer life (10,000 cycles) and higher reliability than traditional pin and sleeve types.

IP54 ingress protection ensures resistance to all weather conditions as well as routine vehicle washing.

KEY FEATURES:

- Provides drive-away protection
- Part of complete charging system “from wall to charger”
- 6P+E Contacts
- 1.5mm² up to 6mm² Wiring compatibility
- IP54 Protection (Baseplate with cover closed)
- IK08 Impact Protection
- 20A and 32A versions available
- 12/24VDC, 250VAC & 480VAC variants
- Spring-loaded plastic cover closes automatically
- Virtually indestructible glass-fibre reinforced polyester connector.
- Housing made of glass-fibre polyamide with protective isolation
- Longer-life butt-contacts with silver-nickel alloy tips
- Mains present and/or charging LED indicators
- -40°C/+60°C Operating temperature range
- 10,000 Mating cycles
- Compact and low profile design
- Easy single-handed connection

OPTIONS:

- Compressed air-line optionally contained within the same (single) power connector
- Up to 13 Bar Pressure for Airline



FM 37786
ISO 9001:2008

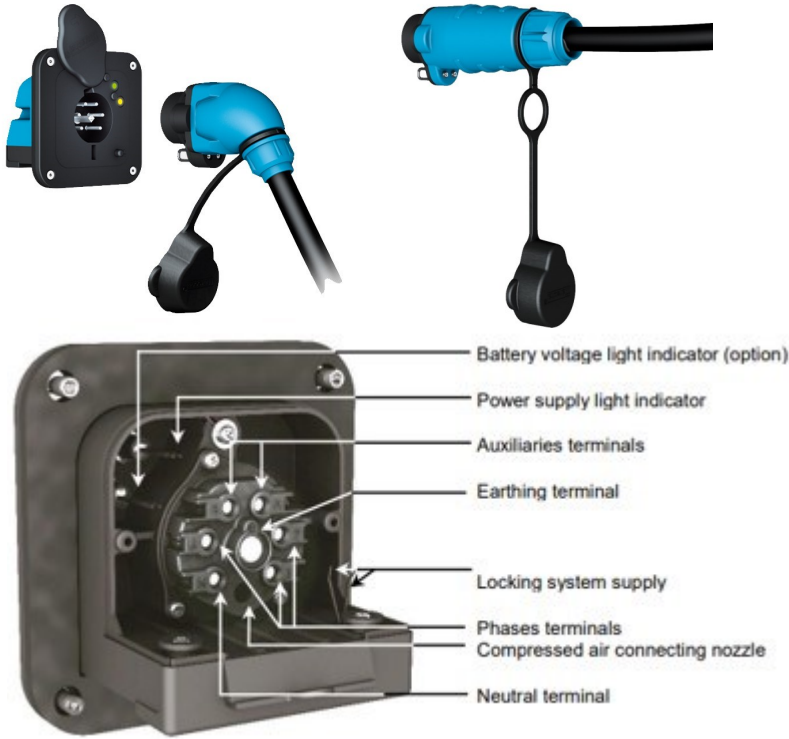
Antares (Europe) Limited
Knives Beech Business Centre
Davies Way
Loudwater
HIGH WYCOMBE
HP10 9QR UK

www.antares.co.uk
email: info@antares.co.uk
tel: +44 (0)1628 535440
fax: +44 (0)1628 535441

ANTARES
engineering with answers

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Complete, Versatile System

You can choose the complete system from the wall of your building to the battery, or battery charger, in your vehicle.

DC Connection Option

This versatile inlet system can also be specified to provide a DC connection allowing a battery charger to be mounted externally with the provision for cable volt drop compensation.

Custom Pre-wired Option

The inlet system can also be supplied fully wired with interconnect plugs (to your specification) for simple plug and play installation into your vehicles infrastructure.

Please contact Antares engineering for support on your particular application.

Voltage Input (Max)	12 VDC	24 VDC	250 VAC	480 VAC
Current Rating	20A	20A	20A	32A
Inlet Part Number (Standard)	TBA	TBA	96478	TBA
Socket Part Number (Straight)	96479			
Socket Part Number (Angled)	96491			
Number of Contacts	6P+E			
Connection Wire Size min-max	1.5mm ² - 6mm ²			
Number of Mechanical Operations	10,000			
Temperature in use min/max (°C)	-40/+60			
Storage Temperature min/max (°C)	-40/+80			
IP Rating - Baseplate lid closed	IP54			
IP Rating - Socket without cap	IP2X			
IP Rating - Socket with cap	IP44			
IK Rating	IK08			
Casing Material	GRP (Poly)			
Light Indicator	Yellow	Yellow	Green	Green
Optional Light Indicator	N/A	N/A	Yellow	Yellow
Part Number with optional LED Installed	N/A	N/A	96490	TBA
Compressed Air (Option)	≤13 Bar			
Weight of Inlet	0.21Kg			
Weight of Socket	0.41Kg			