

MagCode Power Outlet Systems



MagCode Power Systems are revolutionary power outlet systems for 12 and 24V DC circuits. Unlike conventional connectors, MagCode Power Systems utilise magnetically coded flat contacts, delivering safe power across modular components far superior to the ubiquitous cigarette lighter sockets.

Both port (outlet) and clip (connector) feature powerful magnets with integral switching function ensuring a stable connection and safe power supply. Other metal objects or permanent magnets cannot energise the contacts at any time, making the outlet completely safe and 100% short-circuit-proof.

MagCode Power System Plus for higher

power circuits features an additional mechanical twist lock offering greater security (higher separation forces) and reliable prevention of arcing. The mechanical twist lock ensures that the automatic switching does not occur before the outside contact is securely fastened, thus effectively eliminating problems associated with arcing.

MagCode Power Systems are dust and water resistant, easy to clean and suitable for straightforward retrofitting a vast range of applications. Their advanced technology and superior design makes MagCode Power Systems the ideal exterior connector on vehicles under conditions of sustained charging and high current load.

MagCode Power Systems are available in 12V DC and 24V DC variants, the magnets of the two voltage variants are coded differently to avoid mix-ups.

Key Features

- Latest high tech design
- Stable connection
- 100% short-circuit-proof
- Easy to install
- Minimal mounting depth (port)
- Up to 25A current load
- Dust and water resistant
- Easy to clean
- Novel coded system to avoid 12V and 24V products

Additional Features – Power System Plus

- Suitable for high current loads
- Greater security (higher separation forces)
- No arcing

Specifications

	MagCode Power System	MagCode Power System Plus
Locking Mechanism	Magnetic connection	Magnetic connection plus mechanical twist lock
Terminal		
Power Port	6.3mm flat connectors	Cable tails
Power Clip	Screw terminals	Screw terminals
Max. Wire Cross Section	2.5mm ²	2.5mm ²
Mounting Opening	28mm dia. (M28)	28mm dia. (M28)
Rated Voltage	12V / 24V DC	12V / 24V DC
Max. Current Load	25A at +20°C 14A at +70°C 12A at +85°C	26A at +20°C 25A at +70°C 20A at +85°C
Vibration Resistance	3 axes, 8h, 5Hz - 200Hz, 8.5m/s ²	3 axes, 8h, 5Hz - 200Hz, 8.5m/s ²
Shock Resistance	3 axes, 3,000 shocks, 11ms, 30g	3 axes, 3,000 shocks, 11ms, 30g
Protection		
Port (front side installed)	IP 6K9K	IP 6K9K
Port (connection side)	IP 5K0	IP 5K0
Clip (not connected)	IP 40	IP 40
Clip (on port)	IP 42	IP 42
Duty Cycles		
Without load	> 10,000 cycles	> 10,000 cycles
At 25A	4,000 cycles	4,000 cycles

Accessory

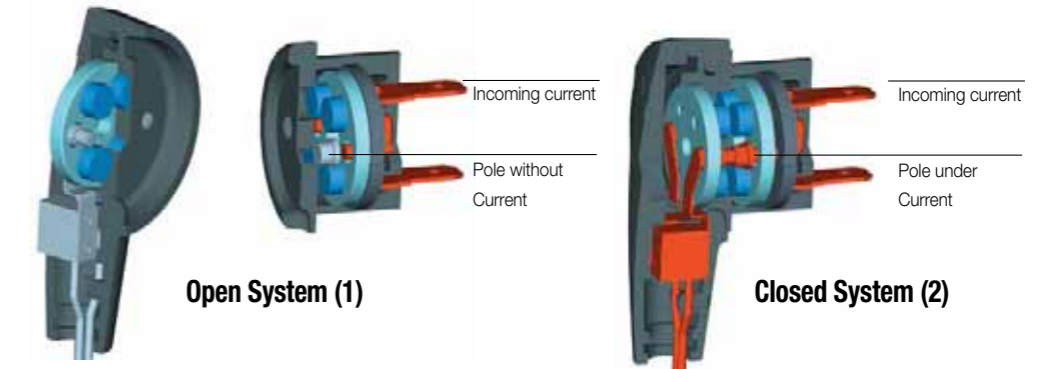
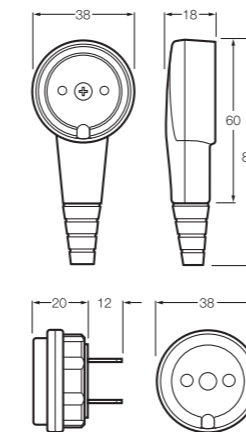
Part No.	Description
HMPSPCAP	MagCode Power Port Cap



Cap to be ordered separately

HMPSPCAP

MagCode Power System



Colour code: ● Permanent magnets ● Plate with permanent magnets ● Voltageless ● Under current

MagCode Power System Plus

