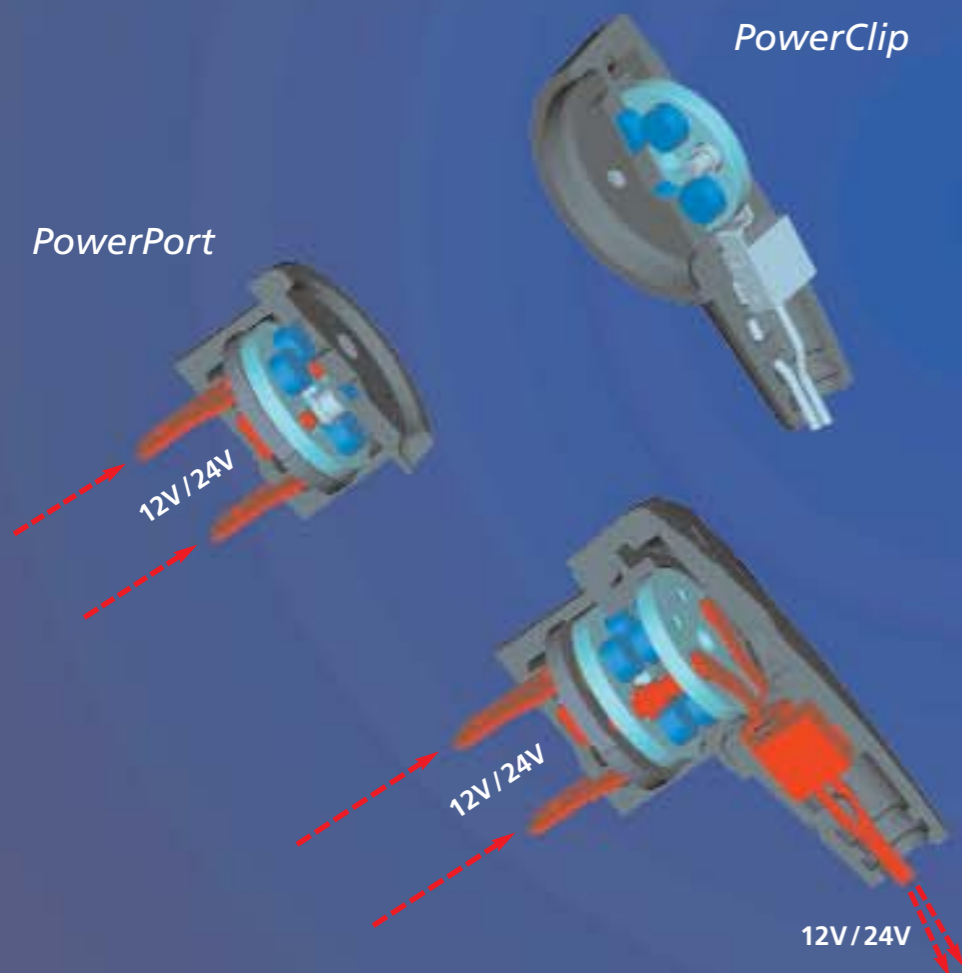


Already in production in the automotive industry

MagCode PowerSystem 12/24V

The **MagCodePowerSystem** is a revolutionary magnetic connector system for 12 and 24V.

MagCodeTechnology



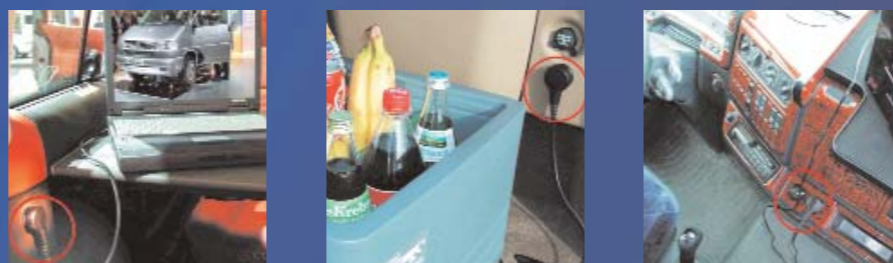
Magnets (blue), in the *PowerPort* (installed outlet) as well as in the *PowerClip* (appliance-side-connector), contact the two parts of the connector and have furthermore a switching function. The flat contacts carry power only (red) when the movable plate in the *Port* that carries the magnets (turquoise) is attracted by the magnets in the *Clip*.

Other metal objects or permanent magnets cannot energize the contacts. Thus the **MagCodePowerSystem** is 100% short-circuit-proof.



MagCode Applications

The **MagCodePowerSystem**, already used in the production for the Maybach – further vehicle platforms are under preparation – is ideal for passenger cars, trucks, motorcycles, campers and boats...



...where cigarette lighter receptacles are presently in use...



...for exterior connectors on vehicles, under conditions of sustained charging (e.g. Maybach) and high current load.

MagCode PowerSystemPro 12/24V

NEW
in 2004

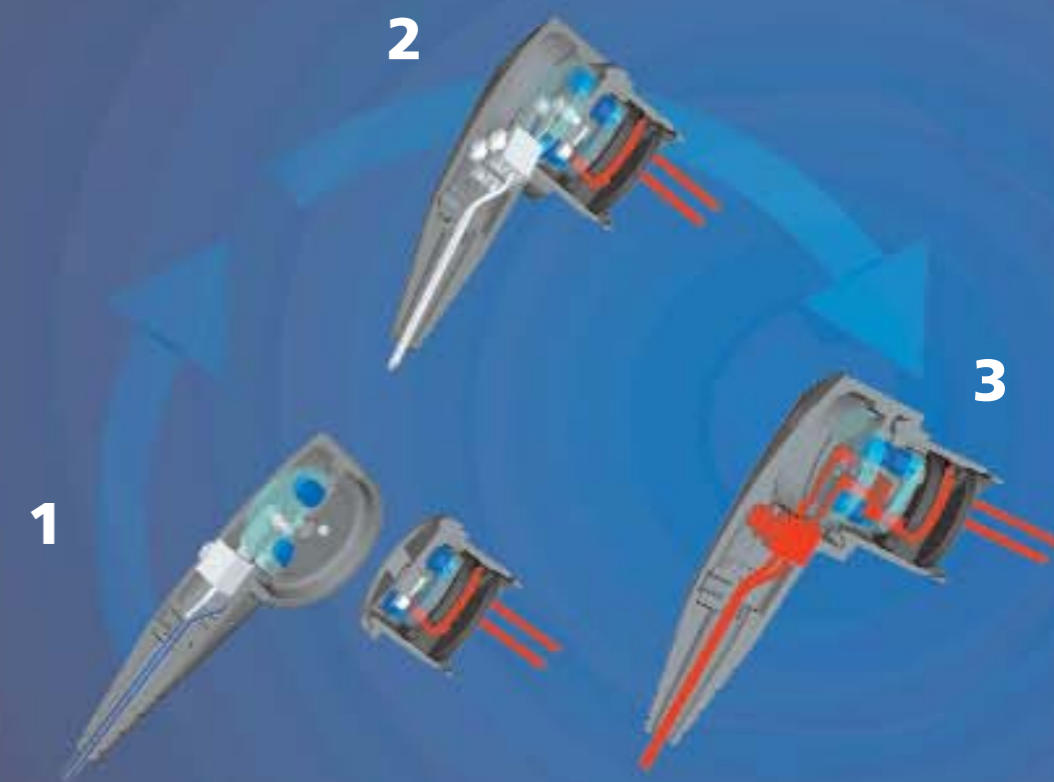


The second generation – with mechanical twist lock!

- Higher separation forces
- Higher current load
- No arcing problem

At the second generation of the **MagCodePowerSystem** the mechanical twist lock guarantees, that the switching (3) does not happen before the outside contact (2) has been closed.

Therefore the **MagCodePowerSystemPro** does not have any arcing problem.



MagCode

PowerSystemPro
12/24V



...makes today's
vehicle power outlet
positively old fashioned!

- 1:0** Hi-Tech Design
- 2:0** Stable Connection
- 3:0** Minimal Mounting Depth (*Port*)
- 4:0** Up to 25A Current Load
- 5:0** Short-Circuit-Proof
- 6:0** Waterproof (installed *Port*)
- 7:0** For 12, 24 (and 42V)
- 8:0** Easy Clean
- 9:0** No Arcing Problem

Technical Data*

	PowerSystem	PowerSystemPro
Locking mechanism:	magnetic	mechanical
Terminal <i>PowerPort</i> : Connection technology:	6,3 mm flat connector flat connector/soldering	cable soldering/crimping
Terminal <i>PowerClip</i> : Max. wire cross section:	screw type 2,5 mm ²	screw type 2,5 mm ²
Mounting cut-out <i>PowerPort</i> : Mounting depth <i>PowerPort</i> : (with/without fastener ring)	Ø 28 mm (M28) 22,0 mm / 25,0 mm	Ø 28 mm (M28) 16,5 mm / 20,0 mm
Height of <i>PowerClip</i> : (with/without fastener ring)	21,5 mm / 18,5 mm	28,00 mm / 24,5 mm
Rated voltage: Max. current load:	12 V / 24 V DC** 15A at +70°C	12 V / 24 V DC** 25A at +70°C
Vibration resistance:	3 axes, 8h, 5Hz - 200Hz, 8,5m/s ²	3 axes, 8h, 5Hz - 200Hz, 8,5m/s ²
Schock resistance:	3 axes, 13.000 schocks, 11ms, 30g	3 axes, 13.000 schocks, 11ms, 30g
Dust- und water resistance <i>Port</i> (frontside, installed): <i>Port</i> (connection side): <i>Clip</i> (not connected): <i>Clip</i> (on <i>Port</i>):	IP 6K9K IP 5K0 IP 40 IP 42	IP 6K9K IP 5K0 IP 40 IP 42
Duty cycles without load: Duty cycles at 25 A:	> 10.000 cycles 4.000 cycles	> 10.000 cycles 4.000 cycles

* Technical changes possible without further notice

** Both *PowerSystems* are available as **MagCodePowerSystem 12V** and **MagCodePowerSystem 24V** and/or **MagCodePowerSystemPro 12V** and **MagCodePowerSystemPro 24V**. Due to different magnetic coding, a mix of 12 and 24V products is impossible.

Further Information:

MagCode AG
89520 Heidenheim
Germany
Tel.: +49 (0) 73 21/9 66 90
e-mail: magcode@magcode.com
www.magcode.com

PS_03/2005_E



MagCode

PowerSystem
12/24V



...makes today's
vehicle power outlet
positively old fashioned!

