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e-MOTION

SOLUTIONS FOR VENTILATION, FILTRATION, AND MOTION CONTROL

ERMEC
www.ermec.com

RELIABILITY, INNOVATION, QUALITY, INTEGRITY

A MODERN PARTNER IN ELECTRONIC AND ELECTROMECHANICAL COMPONENTS

Omega is a leader in the distribution and production of electronic and electromechanical components, offering dedicated services to support and strengthen customer relationships.

Today, Omega is an international group in steady growth, with branches across Europe and a structured plan for further expansion. It positions itself as a modern, reliable partner for the distribution of electrical and electromechanical components.

OUR PARTNERS: AN ADDED VALUE

CHOSEN THROUGH YEARS OF EXPERIENCE, OUR PARTNERS ENSURE THE HIGHEST STANDARDS.

With a strong presence across Mediterranean Europe, Omega covers all major markets and application areas, maintaining a direct and constant relationship with its customers - always focused on maximum efficiency.

IDEC
APEM an IDEC company
mec switches
EATON Bussmann
THERMODISC
bel POWER | PROTECT | CONNECT
FUZETEC
bulgin
ADELS contact
IEC LOCK by Scolmore
ODU
COSEL
DURACELL
ETI
Lumberg
JOHNSON ELECTRIC
ROTEK
Mellor
Hetai
GGM
EDK
HERGA
SMARTSCAN
RISUN
PELKO Motors
KAKU
Littelfuse Expertise Applied | Answers Delivered
min-tec
EFEN

OMEGA

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FANS

DC MICRO FANS AND BLOWERS

From 15x15 to 30x30mm
Supply 3.3/5VDC
Min. width 4.25mm - IP55

DC FANS AND BLOWERS

From 25x10 to 280x80mm
Supply 5/12/24/48VDC
Up to IP68
Additional functions: tachometric, speed control, alarm
High performance - finger guards, filters and more accessories available

DC CENTRIFUGAL FANS

Ø100x25 mm
12/24/48 VDC
Additional functions: tachometer, speed control, allarm

AC FANS

From 80x25 to 254x89 mm - Supply 115/230 VAC - IP55
Working temperature: -40°C - finger guards, filters and more accessories available
Non-sparking certification available on request

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AC/DC/EC CENTRIFUGAL FANS

From Ø133x75 to Ø280x125 mm
Supply 24/48 VDC, 115/230 VAC, global voltage 100/240 VAC
EC version high energy saving

EC AXIAL FANS

From 60x25 to 280x80 mm
Supply global voltage 100/240 VAC
IP54 available
Non-sparking certification available on request
High energy saving

FAN FILTERS FOR ELECTRICAL CABINET

From 109x109 to 322x322 mm
RAL 7035
IP54
Also available heaters and thermostats

TANGENTIAL FANS

From 180 to 420 mm
Supply 220 VAC
Global Voltage 100/240 VAC
Atex - Low vibration

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INDUSTRIAL AXIAL FANS

AC/EC AXIAL FANS

From Ø200 to Ø900 mm
Supply 115/220/380 VAC
IP44 and IP54

REFRIGERATION MOTORS

EC MOTORS

From 5 to 35 W
Load Ø172/28° to Ø300/34°
Also available compact and super compact series (Ø82x63 mm)

SHADED POLE

5/10/16/25/34 W
Up to 1550 rpm

ACCESSOIRES

Metallic blades
Plastic blades
Low noise plastic blade
Metal brackets

SOLENOIDS

OPEN FRAME LINEAR SOLENOIDS

From 10x8x16mm to 41x37x55mm
Force from 10N to 70N

TUBULAR LINEAR SOLENOIDS

From 13x44mm to 38x65mm
Push and pull versions

ROTARY SOLENOIDS

From ø20mm to ø90mm
Types: three-ball, low profile - soft shift

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AC MOTORS

AC SYNCHRONOUS MOTORS

From ø13mm to ø64mm
Combinable with gearboxes
Linear version available

AC STEPPER MOTORS

From ø13mm to ø64mm
Combinable with gearboxes
Speed control
Step angle control
Linear version available

GEARBOXES

Load from 30cNm to 2500cNm
Different sizes available

UNIVERSAL MOTORS

Laminated core from ø40mm to ø100mm

AC INDUCTION

100..440 V - 50-60 Hz / 1-3 ph
Flange from 60x60 to 104x104 mm
P_{out}=6..200 W
Options: reversible, brake, tachometric, terminal box

AC SHADED POLE

24..240 V
50-60 Hz
P_{in}<100 W
Available with UL approval

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BRUSHLESS AND BRUSHED DC MOTORS

24-48 V
P_{out}=30..400 W
Flange from 60x60 to 104x104mm
Specific drive available

12-24 V
P_{out}=8..500 W
Flange from 42x42 to 86x86
Specific drive available

12-18-24 V
P_{out}=fino a 40 W
Diameter from 16 to 45 mm
Speed up to 32.000 rpm
Specific drive available

24-48 V
P_{out}=80..130 W
Flange 60x60 mm
Speed from 400 to 4.000 rpm
On-board electronics control

8-26 V - P_{out}=14 W
Diameter 36 and 42 mm
Speed up to 4.000 rpm
On-board electronics control

24 V
P_{out}=15..138 W
Flange 57 mm
Speed up to 3.000 rpm
Optional on-board drive

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DC BRUSHED MOTORS

From ø20mm to ø60mm
Brushless available
Customizable

STEPPER MOTORS

Sizes from NEMA 11 to NEMA 43
Static torque from 0,6 Nm to 30 Nm
Step angle 1.8°

PARALLEL SHAFT GEAR MOTORS

BRUSHLESS DC TECHNOLOGY

24-48 V - P_{out}=<400 W
Flange from 36 to 104x104 mm
Integrated or external drive

BRUSHED DC TECHNOLOGY

12..90 V - P_{out}=2..200 W
Flange from 36 to 90x90mm
Speed up to 2 rpm

SYNCHRONOUS AC TECHNOLOGY

24..440 V - P_{out}=9..85 W
50-60 Hz 1-3 ph
Flange 60x60 mm -
Speed from 1 rpm

AC INDUCTION TECHNOLOGY

100..440 V - P_{out}=6..200 W
50-60 Hz
Flange from 60x60 to 104x104
Options: reversible, brake, tachometric, terminal box

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PLANETARY GEAR MOTORS

BRUSHLESS DC TECHNOLOGY

24 V - P_{out}=10..138 W
Diameter from 16 to 57 mm
Reduction ratio from 1:4 to 1:216

BRUSHLESS DC TECHNOLOGY WITH ELECTRONICS

12-24-48 V - P_{out}=8..40 W
Diameter from 16 to 57 mm
Speed from 2 to 6.000 rpm

BRUSHED DC TECHNOLOGY

12-24 V - P_{out}=15 W
Diameter from 12 to 52 mm
Speed from 3 rpm

CORELESS DC TECHNOLOGY

3.48 V - P_{out}=3..40 W
Diameter from 1.6 to 45 mm
Speed up to 6.200 rpm

SYNCHRONOUS AC TECHNOLOGY

24..440 V - P_{out}=9..85 W
50-60 Hz 1-3 ph
Diameter from 42 to 65 mm Speed from 3 rpm

RIGHT-ANGLE GEAR MOTORS

AC INDUCTION TECHNOLOGY

230-380 V - P_{out}=25..200 W
Flange 80x80 and 90x90 mm
Speed from 7 rpm

SYNCHRONOUS AC TECHNOLOGY

12-24 V - P_{out}= 85 W
Speed from 15 rpm

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BRUSHLESS DC TECHNOLOGY

12-24 V - P_{out}=8..60 W
Integrated or external drive

BRUSHED DC TECHNOLOGY

12-24-90 V - P_{out}=3..200 W
Speed up to 300 rpm

BRUSHLESS DC TECHNOLOGY WITH INTEGRATED ELECTRONICS

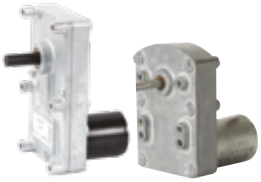
12-24 V - P_{out}=3.5..130 W
Speed up to 300 rpm

FLAT GEAR MOTORS

BRUSHLESS DC TECHNOLOGY

24-48 V - P_{out}<400 W
Flange from 60x60 to 90x90
External drive

BRUSHLESS DC TECHNOLOGY WITH INTEGRATED ELECTRONICS



12-24 V - P_{out}<12 W
Speed from 6.5 to 305 rpm

BRUSHED DC TECHNOLOGY

12-24 V - P_{out}=6..12 W -
Speed from 15 rpm

SYNCHRONOUS AC TECHNOLOGY

24..440 V - P_{out}=9..85 W
Speed from 1.9 rpm

AC INDUCTION TECHNOLOGY

100..440 V - P_{out}=6..200 W
Flange from 60x60 to 90x90 - Speed from 6 rpm
Options: reversible, brake, tacho, terminal box

AC SHADED-POLE TECHNOLOGY

24..415 V - P_{out}<10 W
Speed from 0.8 to 290 rpm

A WORLD OF APPLICATIONS

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AUTOMATION
- Control and management of industrial production processes

DEFENSE
- Military vehicles
- Communication systems
- Controllers

ELECTRONIC AND ELECTRICITY
- PBC
- Low and Medium Voltage
- Electric panels

ELECTRICAL APPLIANCES
- Large and small appliances
- Industrial appliances
- Professional cooking

VEHICLES
- Automotive
- Transports
- Agriculture
- Marine

GREEN ENERGY
- Photovoltaic
- Renewable
- Electric Vehicles
- Storage

LIGHTING
- Industrial plants
- Design

HVAC
- Refrigerated counters
- Hot/Cold systems
- Heating

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