

SUMMARY

EVO

A UNIQUE PRODUCT.

Once again, **MARECHAL ELECTRIC** is at the heart of innovation with the invention of the first separable switch-disconnector.

For even more safety, **EVO** facilitates the compliance of your machines and equipments.

Discover "**EVO**", our new ergonomic and modern invention, created for you.



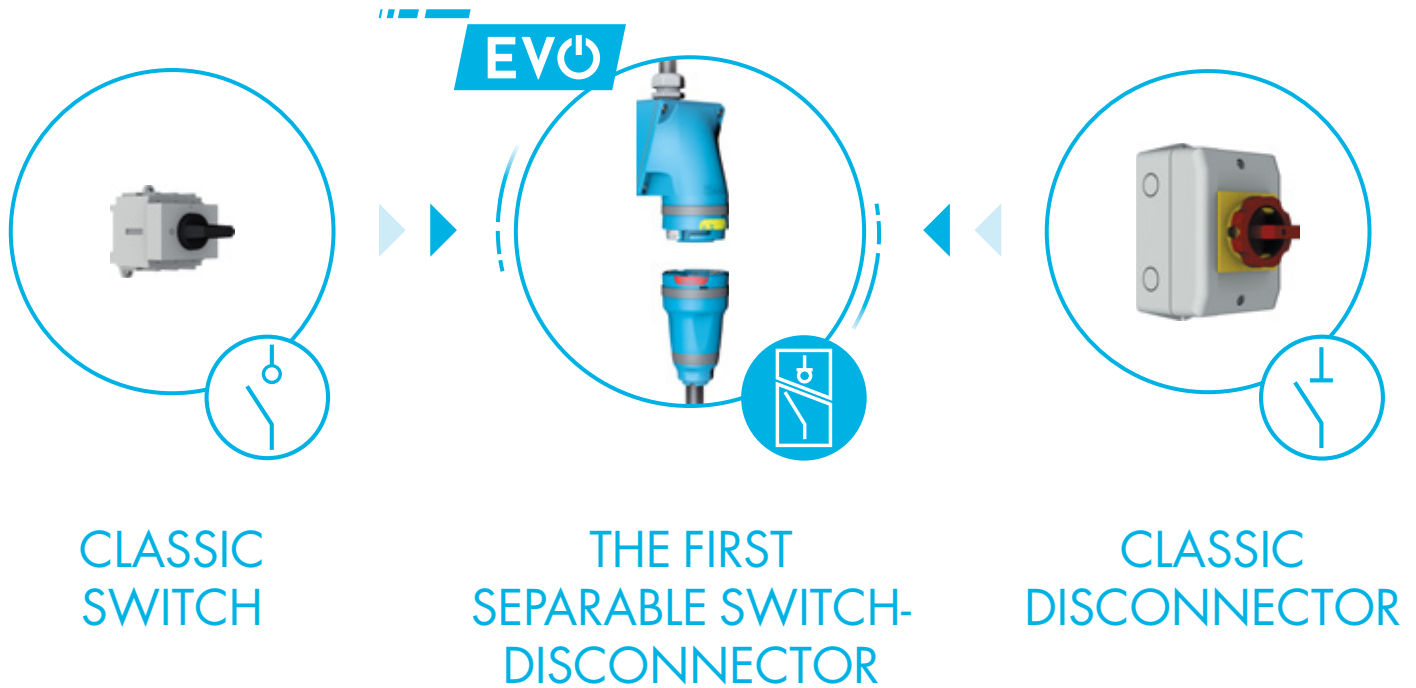
EVO TWIST & SWITCH

A SEPARABLE
SWITCH-
DISCONNECTOR





ITS
PARTICULARITY



TWIST & SWITCH

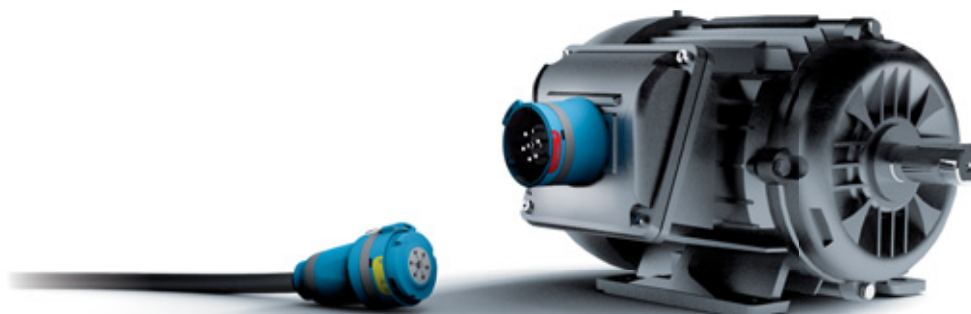
POSITIVE AND CLEARLY VISIBLE BREAKING

AUTOMATIC IP66/IP67 WATERPROOFING IN THE ON AND OFF POSITIONS

SLEEK DESIGN

REDUCES SPACE REQUIREMENTS

REDUCES INSTALLATION COSTS AND DOWNTIMES

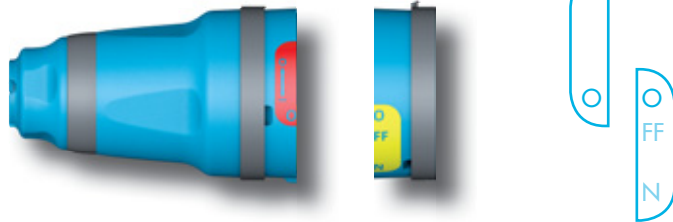




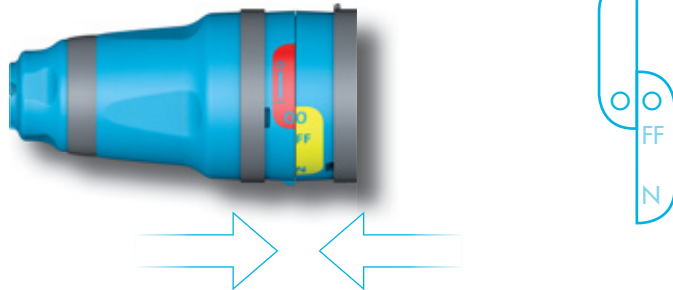
LOAD BREAK ROTARY SWITCH

- Simple operation
- Waterproof in ON and OFF positions

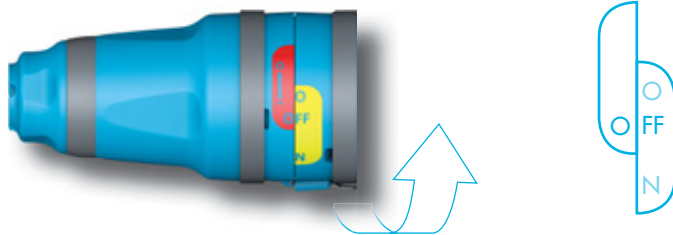
Separated position



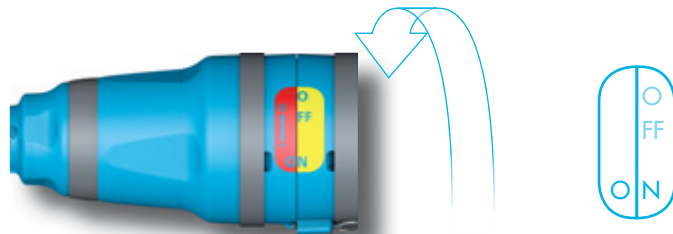
Position 00

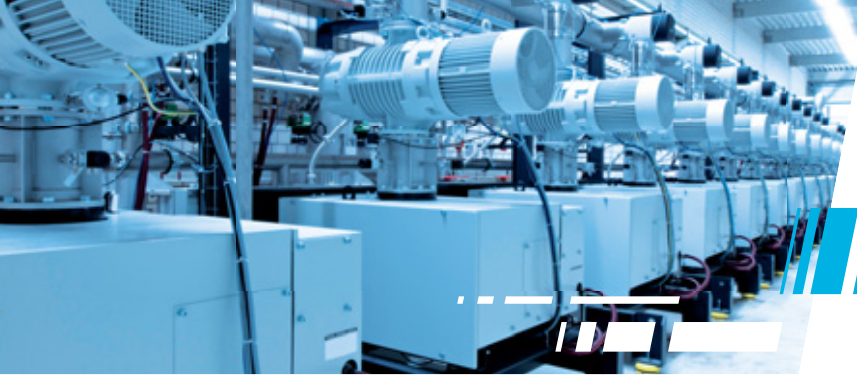


Position OFF



Position ON

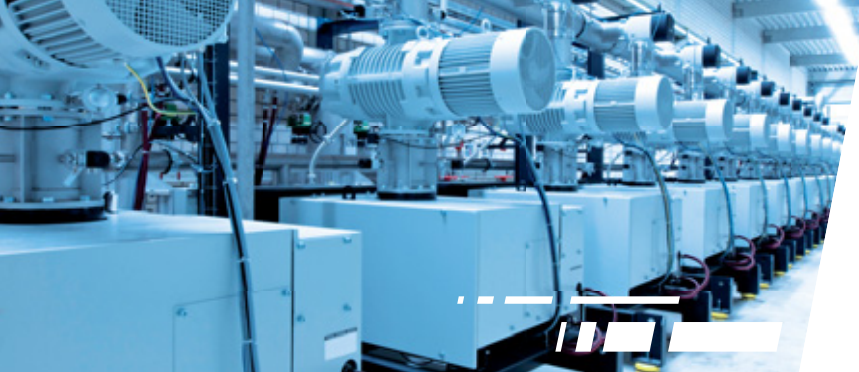




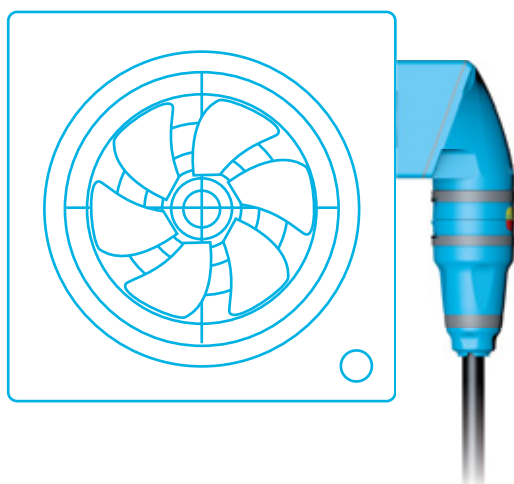
ITS CONFIGURATIONS

EVO POSSIBLE INSTALLATIONS

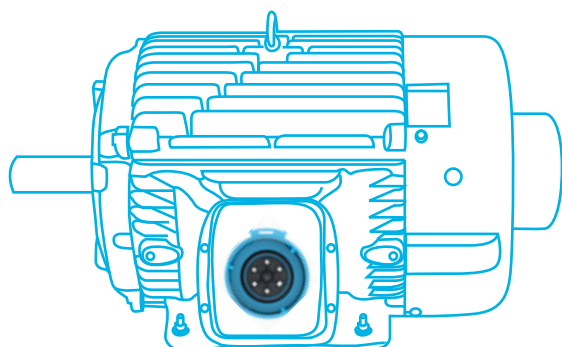
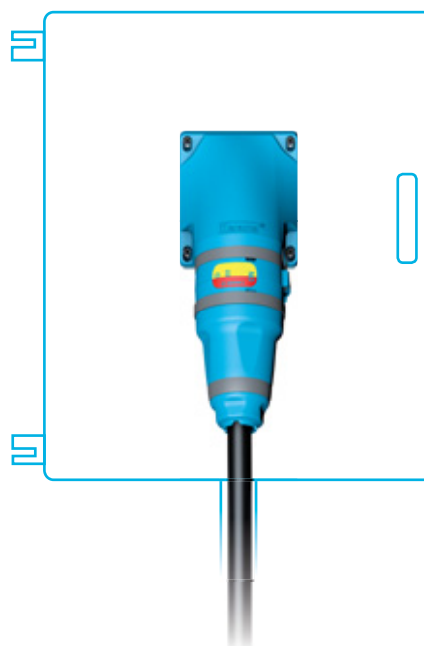


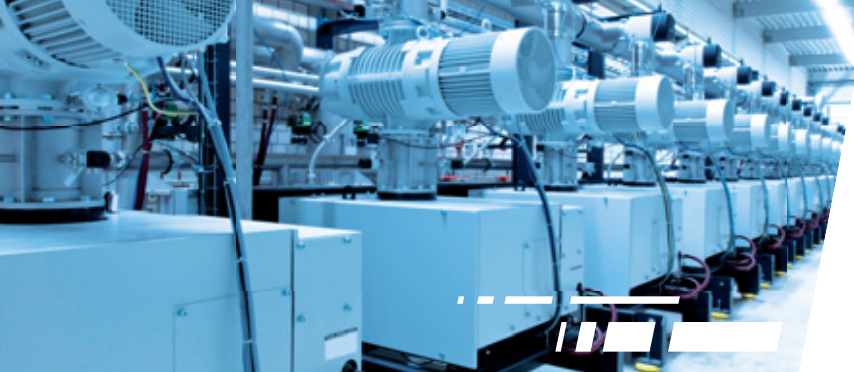


ITS APPLICATIONS



EVO40 is particularly appropriate for all industrial applications such as motor power supply.



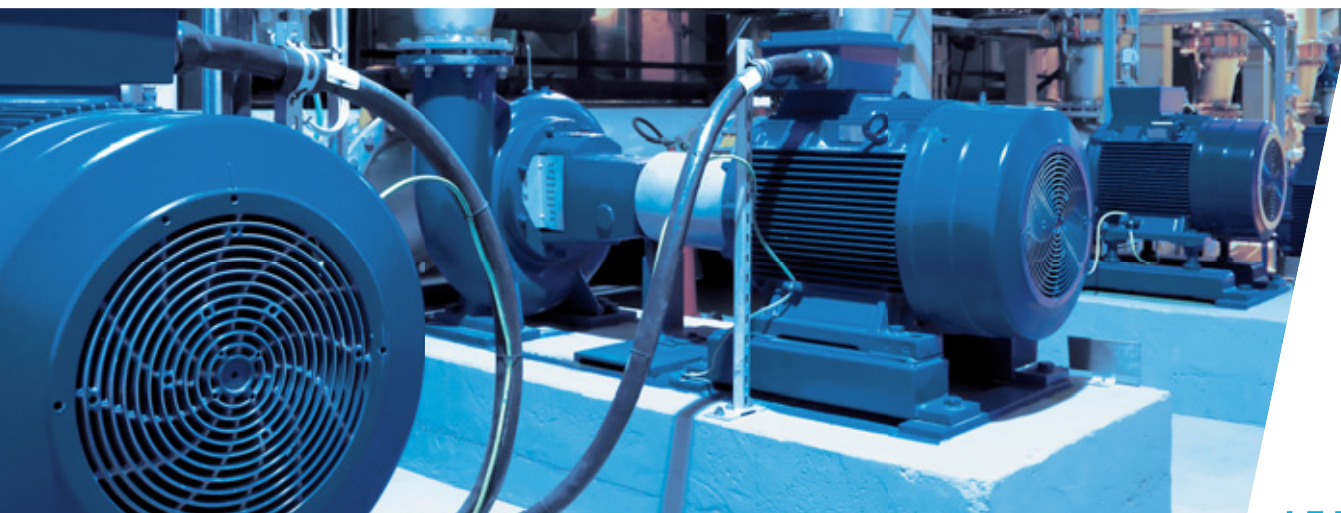


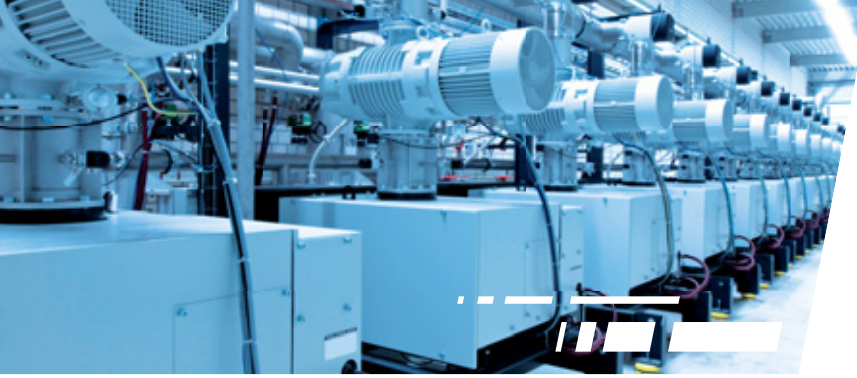
ITS ADVANTAGES

KEY FEATURES

THE BENEFITS

| | |
|--|---|
| Separable switch-disconnector | Simplification and economy |
| Positive and visible breaking | 100% ensured safety |
| Disconnection speed independent of operator use | Reliability Ease of use |
| Automatic IP66/IP67 sealing in ON and OFF positions and with cap | Suitable for harsh industrial environments |
| IP4X on source side | User safety and compliance with standards |
| Smooth crevice free design, no visible fixing screws | Easy to clean |
| Up to 6 poles + earth | Ability to connect power and/or control signals |
| Surface mounting dimension limited to 120 mm | Compact design (50° or 90° version wall box) |





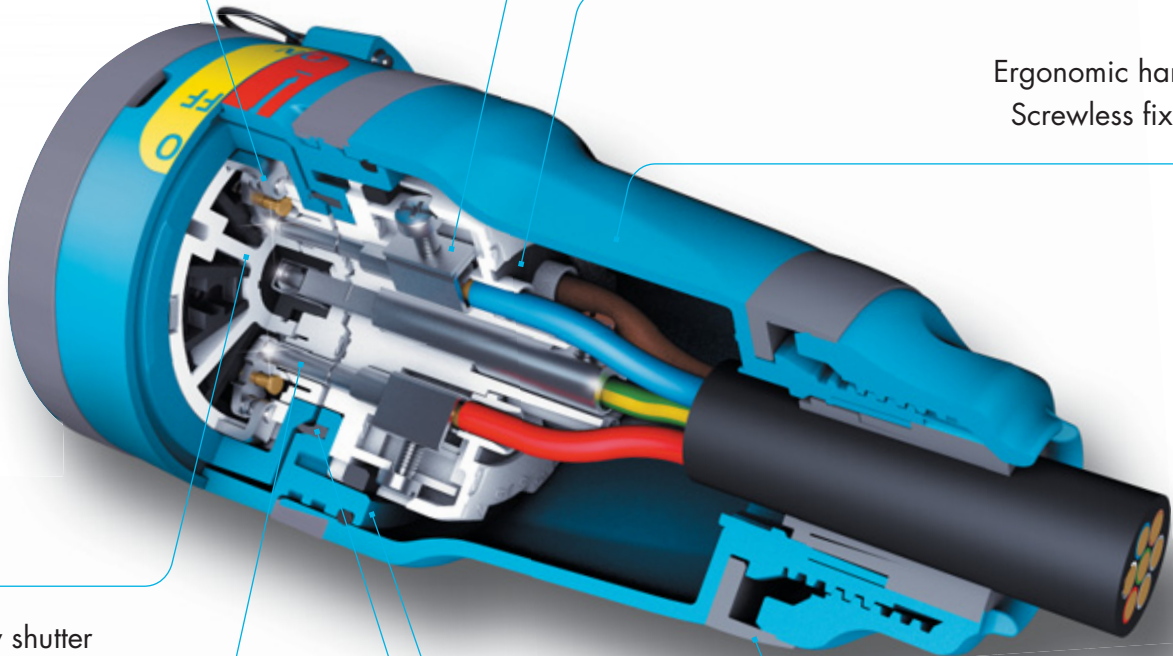
ITS TECHNOLOGY

Double break per pole
AC-22A/AC-23A (18,5 kW)
AC-3 (11 kW)

Cage terminals improving conductivity
and vibration resistance

Colour Coded terminals
1, 2, 3, 4/N, 5, 6

Ergonomic handle
Screwless fixings



IP4X safety shutter
Protection from live
parts

Contacts on silver alloy
tips (anti-corrosion
treatment)

Protective cover

Glass reinforced poly enclosure

IP66/IP67 automatic waterproofing
in ON and OFF positions



TECHNICAL CHARACTERISTICS

| | |
|--|-----------------------------------|
| Mechanical endurance | > 10 000 cycles |
| Electrical endurance | 1 500 cycles |
| U_i : Rated insulation voltage | 1 000 V AC |
| U_{max} : Operational voltage | 690 V |
| I_{the} : Conventional enclosed thermal current | 40 A |
| U_{imp} : Rated impulse withstand voltage | 8 kV |
| I_{cc} : Rated short-circuit breaking current capacity with gG fuses and aM fuse | 100 kA |
| I_{cm} : Rated short-circuit making current capacity | 1 kA |
| Cable cross-section Cu | 2,5 - 10 mm ² flexible |
| | 2,5 - 16 mm ² stranded |
| Degree of protection (IEC 60529) | IP66/IP67 |
| Shock resistance (IEC 62262) | IK09 |
| Ambient air temperature | - 25 °C/+ 60 °C |

SWITCHING CAPACITY

| kW/V | 230 V | 400 V | 690 V |
|---------------|--------|---------|---------|
| AC-21A/AC-22A | 40 A | 40 A | 40 A |
| AC-23A | 11 kW | 18,5 kW | 18,5 kW |
| AC-3 | 7,5 kW | 11 kW | 11 kW |

COMPLIANT WITH IEC STANDARDS

- IEC/EN 60947-1/-3/-4/-5 :

Low-voltage switchgear and control gear:
Switches, disconnectors, switch-disconnectors
and fuse-combination units.

- Facilitates compliance:

- of electrical machinery to the European Machinery Directive 2006/42/CE, to EN 12100 and EN 60204-1 standards,
- of electrical installations to IEC/HD 60364 and NF C 15-100 standards.



PART NUMBERS

40 A

690 V UMAX III

SEPARABLE SWITCH-DISCONNECTOR



- IP66/IP67
- POLY
- IK09
- 25°C
+60°C
- AC-21/AC-22
AC-23/AC-3



| Voltage | Poles | Supply | Load | Straight sleeve | 70° inclined sleeve | Handle | 90° wall box ⁽¹⁾ |
|---------------|-------|---------|---------|-----------------|---------------------|-------------------------|-----------------------------|
| 200-250 V AC | 2P+E | 8144032 | 8148032 | 51LM0 | 51LM7 | 51LP0D21 ⁽²⁾ | 51LC9000 |
| | 3P+E | 8144033 | 8148033 | | | | |
| | 4P+E | 8144034 | 8148034 | | | | |
| | 6P+E | 8144036 | 8148036 | | | | |
| 380-480 V AC | 2P+E | 8144012 | 8148012 | 51LM0 | 51LM7 | 51LP0D21 ⁽²⁾ | 51LC9000 |
| | 3P+E | 8144013 | 8148013 | | | | |
| | 4P+E | 8144014 | 8148014 | | | | |
| | 6P+E | 8144016 | 8148016 | | | | |
| 500-690 V AC | 2P+E | 8144052 | 8148052 | 51LM0 | 51LM7 | 51LP0D21 ⁽²⁾ | 51LC9000 |
| | 3P+E | 8144053 | 8148053 | | | | |
| | 4P+E | 8144054 | 8148054 | | | | |
| | 6P+E | 8144056 | 8148056 | | | | |
| Umax 690 V AC | 2P+E | 8144122 | 8148122 | 51LM0 | 51LM7 | 51LP0D21 ⁽²⁾ | 51LC9000 |
| | 3P+E | 8144123 | 8148123 | | | | |
| | 4P+E | 8144124 | 8148124 | | | | |
| | 6P+E | 8144126 | 8148126 | | | | |

Load side cap IP66/IP67 padlockable Included 814A426G

(1) Without drilling, top entry. Reversible wall box for 50° angle with bottom entry.
 (2) Gland size 5-21 mm.

Additional padlocking keys
 814A541
 Packaging = 10

