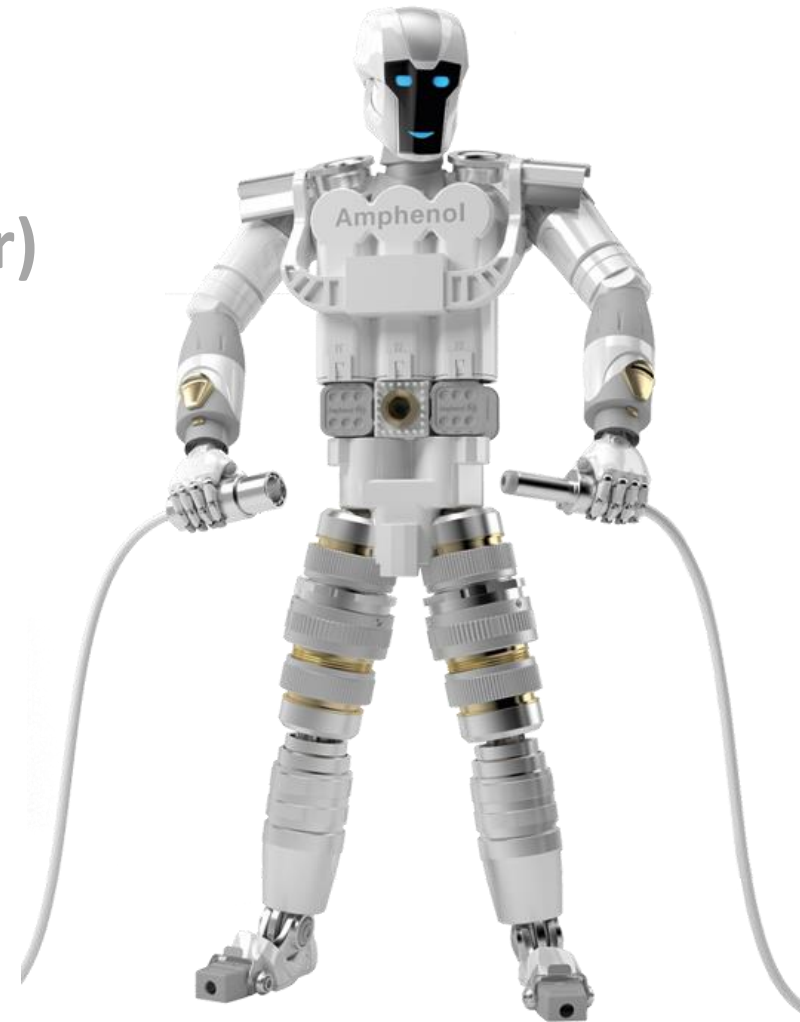


# ECO | MATE®

Circular connectors (Signal & Power)

Available from Inelco Hunter



## GENERAL INFORMATION

- Wide range of plastic and metal **circular** connectors
- 11 shell sizes, up to 48 contacts, up to 300A, up to 900V
- An Ecomate m leaves the factories every 10 seconds and is used in a wide range of applications and industries



# ECO | MATE® STANDARD PRODUCTS



**Ecomate m**



**Ecomate C16**



**Aquarius**



**Aquarius**  
Fathom Lock



**RM**



**RSSM**



**RM High Amp**



Rapid Threading

Bayonet locking

Bayonet locking

Quicklock

Bayonet locking

Bayonet locking

Bayonet locking

3+PE and 6+PE  
on 1 shell size

2+PE to 19+PE  
on 2 shell sizes

3 to 32 pins  
on 6 shell sizes

3 to 19 pins  
on 3 shell sizes

3 to 48 pins  
on 8 shell sizes

4 to 48 pins  
on 8 shell sizes

1 and 3 pins  
on 4 shell sizes

max. **16A** | 600V

max. **50A** | 900V

max. **45A** | 600V

max. **45A** | 600V

max. **45A** | 600V

max. **45A** | 600V

max. **300A** | 630V

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# eco|mate<sup>®</sup> m

## Overview:

- 3+PE / 6+PE meets the minimum requirements for power supply (3 phase AC)
- Cable-to-machine as well as inline connections (cable-to-cable) can be realised, rapid threading
- Up to 20A transmittable, solutions for voltages up to 600V
- Protection class IP65/IP67 (waterproof)
- Choice between screw termination (field-confectionable), soldering and crimping (stamped contacts)



## Advantages:

- Very cost-efficient (optimum connectors design for high volumes), machine processing possible
- Suitable solutions for many applications
- Almost 60 years of experience (launched 1964)

# eco|mate<sup>®</sup> m



Male Plug



Male Plug incl. strain relief



Male Plug angled



Female Plug



Female Plug incl. strain relief



Female Plug angled



Male / female receptacle  
2-hole mounting



Male / Female Jam  
Nut Receptacle



PCB Mounting Receptacle



Ecomate overmolded assemblies



Internal strain relief



Plugs for mechanical coding



Stamped contacts



# eco|mate<sup>®</sup> m

Architectural Lighting



Street Lighting



New Energies



Heavy Equipment



Factory Automation



Cleaning Machines



Heating Systems



Agriculture



# eco|mate® C16

## Overview:

- Complement to Ecomate m with a variety of contact arrangements on 2 sizes (standard and hybrid solutions up to 19pin incl. PE)
- Cable-to-cable as well as inline connections (cable-to-cable) can be realised, bayonet coupling
  - Up to 50A transmittable, solutions for voltages up to 900V
- Protection classes IP65 (waterproof)
- Choice between screw termination and crimp termination (stamped contacts)



## Advantages:

- Cost-efficient (optimal design for high volumes), machine processing possible
- Multi-pin power and signal transmission can be realised with only one connector

# eco|mate® C16



Male Plug



Male Plug incl. strain relief



Male Plug angled



Female Plug



Female Plug incl. strain relief



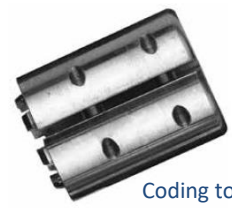
Female Plug angled



Male / female square flange receptacle



Male / Female Jam Nut Receptacle



Coding tool



Stamped contacts



34mm  
86mm  
43mm  
95mm

**Size 1**  
2+PE to 17+PE  
5-36A

**Size 2**  
5+PE to 19+PE  
5-36A



# eco|mate® C16

Factory Automation



Textile Machines



Printing Machines



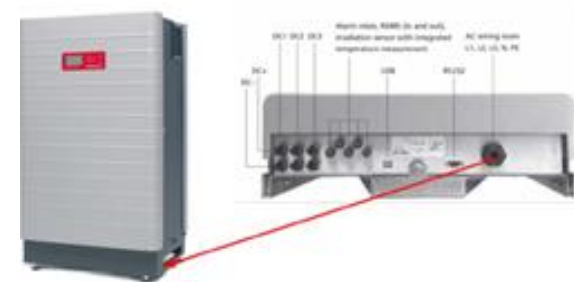
Traffic Management



Tools & Equipment



Solar Inverter



## eco|mate® AQUARIUS™

**Overview:**

- Wide range of sizes and contact arrangements offers "tailor-made" solutions for various requirements (electrical characteristics, number of pins, dimensions)
- Cable-to-machine as well as inline connections (cable-to-cable) can be realised, bayonet coupling
- Up to 45A transmittable, solutions for voltages up to 600V
- Protection classes IP67 / IP69K (waterproof)
- Crimp connection (choice between stamped and turned contacts)

**Advantages:**

- Cost effective, vibration resistant, waterproof, machine processing possible
- Tailor-made solution that meets the requirements of most applications as long as no shielding is needed

# eco|mate® AQUARIUS™



# eco|mate® AQUARIUS™



Plug with Backshell



Plug with Endcap



Inline Connector with Backshell



Inline Connector with Endcap



Connectors with Heavy Duty Nut (Data insert – Coax/RJ45)



Square Flange Receptacle



Square Flange Receptacle with Backshell



Square Flange Receptacle with Endcap



Jam Nut Receptacle



Jam Nut Receptacle with Endcap



Jam Nut Receptacle PCB Mounted



Compatible with Ecomate RM 90° backshells



Coding rings



Blanking plugs



Stamped and turned contacts



# eco|mate® AQUARIUS™

Factory Automation



Intralogistic



E-Mobility



Heavy Equipment



Lighting



Rail Mass Transit



Instrumentation



Handling Equipment





# eco|mate® AQUARIUS™ FATHOM LOCK

## Overview:

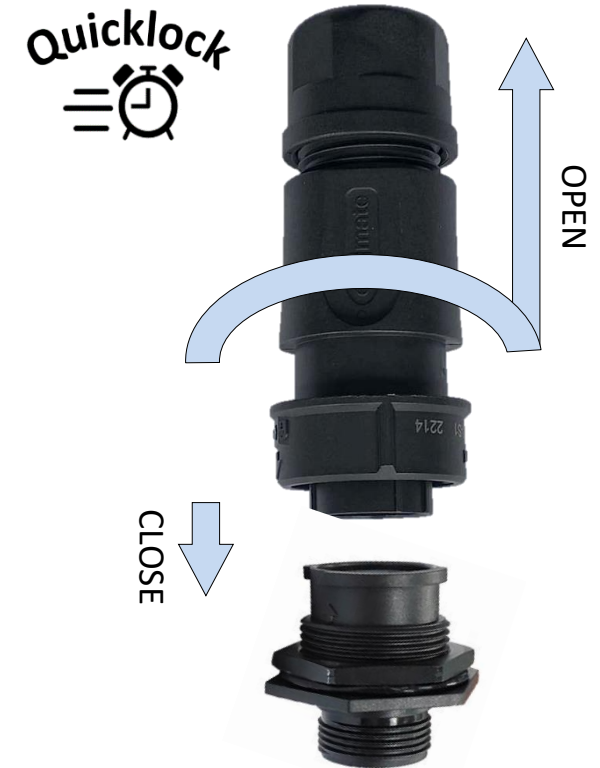
- Aquarius version with Quicklock mechanism instead of Bayonet (fast and secure connection)
- Cable-to-machine as well as inline connections (cable-to-cable) can be realised
- Up to 45A transmittable, solutions for voltages up to 600V
- Protection classes IP67 / IP69K (waterproof)
- Crimp connection (choice between stamped and turned contacts)



## Advantages:

- Cost-effective, vibration resistant, waterproof, machine processing possible
- Tailor-made solution that meets the requirements of most applications as long as no shielding is needed

# eco|mate® AQUARIUS™ FATHOM LOCK



# eco|mate® RM

## Overview:

- Wide range of sizes and pole patterns offers "tailor-made" solutions for various requirements (electrical characteristics, number of poles, dimensions)
- Cable-to-machine as well as inline connections (cable-to-cable) can be realised, bayonet coupling
- Up to 45A transmittable, solutions for voltages up to 600V
- Protection classes IP67 (waterproof)
- Crimp connection (choice between stamped and turned contacts)



## Advantages:

- Robust due to metal housing, vibration resistant, shieldable, waterproof, machine processing possible
- Tailor-made solution that meets the requirements of most applications



# eco|mate® RM



# eco|mate<sup>®</sup> RM



Plug



Plug with Endcap



Square Flange Receptacle



Square Flange Receptacle with Endcap



Jam Nut Receptacle



Jam Nut Receptacle with Endcap



Long Backshell



Short Backshell



Angled Backshell



Cap for Plugs



Cap for Receptacles



Dust Cap



Locking clip



Seal for receptacles with flange



Blanking plugs



Stamped and turned contacts



# eco|mate® RM

Factory Automation



Intralogistics



New Energies



Heavy Equipment



Rail Mass Transit



Instrumentation



Handling Equipment



# eco|mate® RSSM

## Overview:

- Complement to Ecomate RM with improved protection class (steam jet protected) by "Super Seal" for all sizes
- Cable-to-machine as well as inline connections (cable-to-cable) can be realised, bayonet coupling
- Up to 45A transmittable, solutions for voltages up to 600V
- Protection classes IP67 / IP69 (waterproof)
- Crimp connection (choice between stamped and turned contacts)



## Advantages:

- Robust due to metal housing, vibration resistant, waterproof, machine processing possible
- Tailor-made solution that meets the requirements of most applications

# eco|mate® RM High Amp

## Overview:

- Extension of Ecomate RM with solutions for the high power range using **RADSOK®** technology
- Up to 300A transmissible, voltages up to 630V, low contact resistance
- IP67 protection (waterproof)
- Low mating and unmating forces, High mating cycle life
- 1-3 pole on 4 shell sizes (10, 14, 16, 20)



## Advantages:

- Enables high power transmission and thus expands the target market / possible applications
- Robust, shielded, vibration resistant

**Thank you!**

