



## RENHOTEC GROUP LIMITED

☎ : 86-027-81296316

🌐 : [www.renhotec.com](http://www.renhotec.com)    ✉ : [info@renhotec.com](mailto:info@renhotec.com)

Headquarters(Wuhan): No.555 Wenhua Avenue, Hongshan District, Wuhan 430074, China

Factory(Dongguan): 13-1 Wenming Rd, Dongguan City, Guangdong Province China, 523900

Factory(jiangmen): Building 5, Wanyang Zhongchuang City, Daze Industrial Park, Jiangmen City, Guangdong Province, China

# M SERIES DISTRIBUTOR BOX

MAKE THE FUTURE INTELLIGENT AND SMART



 **RENHOTEC** | RENHOTEC GROUP LIMITED



**RENHOTEC**

MAKE THE FUTURE INTELLIGENT AND SMART

[www.renhotec.com](http://www.renhotec.com)

# ABOUT US

关于我们



**20,000**m<sup>2</sup>  
Factory Area

**280+**  
Employees


**ISO/IATF**  
Certificated


**Founded** in 2008, Renhotec is committed to being a global leading solution provider in the field of electrical electronic and industrial connectors.


Renhotec supplies high quality products and provide professional services globally in the industry sectors such as telecommunications industrial automation automotive instrument, railway, new energy marine and offshore machinery, etc. The company won the recognition from partners from the world.

By providing global customers with professional and reliable connectivity solutions, Renhotec is making contributions to creating a smart and interconnected world.



 headquarters

 Group segment

 Customer distribution

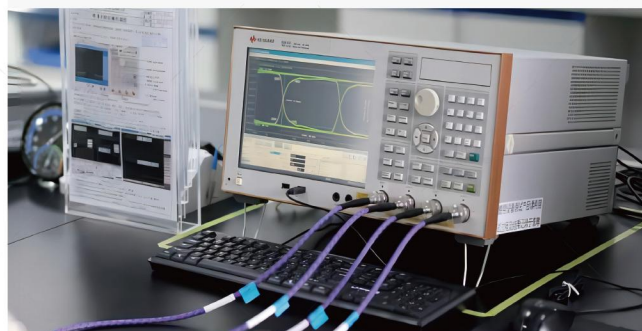


### R&d team

From the research and development, mold making to production and processing of connectors, every link is supervised by senior engineers. The entire team has rich experience in the processing of connectors and wire harnesses

### Instruments and equipment

Equipped with stamping, injection molding, electroplating manufacturing process technologies and high-precision equipment, it meets the high-quality and high-precision requirements of connectors and terminals. The adoption of automated assembly technology ensures the stable quality of connectors and enhances production efficiency.



### Detection and testing

A fully qualified professional laboratory is equipped with general-purpose experimental equipment and customized intermittent testing equipment, capable of conducting tests such as electrical, mechanical performance, and environmental performance analysis, strictly in accordance with requirements.



## International certification

After more than a decade of effort and technical expertise, the company has obtained the ISO 9001 and IATF16949 quality management system certifications, as well as international certifications including UL (United States) TUV (Germany) and CE and RoHS (Europe).



## Application field

We are currently discovering alternate OEMs or suppliers for sensors and actuator cables and wires. At present, we consume various sensors & actuators cables and wires for our AGV, AMR products.

### Servo motor

The trend of networking and movement is also evolving, and the connection methods of servo motors are being upgraded. The application of drag chain cables and high-protection-level connection requirements is accelerating. The M12 / M23 series developed by Renhao Weiye meet the demands of motors of various specifications.



### Industrial camera

The development of the Internet of Things (IOT) has promoted the rapid growth of industrial cameras, which play a crucial role in industrial manufacturing and the logistics industry. The M12 connector developed by Renhotec Weiye has better solved the connection problem of industrial cameras in harsh environments and with high transmission requirements.



### Industry 4.0

Industry 4.0 is mainly the process of industrial networking. Wireless gateways and wireless management of equipment are widely applied to radio frequency antennas, mainly rubber rod antennas.



### Smart Warehousing

The intelligent warehousing warehouse robot realizes the automation of warehousing and logistics. The system automatically replenishes goods and precisely guides operations in coordination with mobile terminals. As a product of the M series, the Zhaowei micro-drive system can efficiently complete the sorting of goods and optimize the logistics process.



### Rail transit

In the field of rail transit, industrial connectors are indispensable and are applied in multiple systems such as vehicle air conditioning and traction. They are classified by function into current, control and network connectors, with emphasis on water resistance, corrosion resistance and high-temperature performance.



# M8 Distributor Box



Field-wireable Distribution Box

04P-07P

Pre-cast Line Distribution Box

08P-13P

PCB Interface & with Junction Box

14P-16P

Cable Accessories

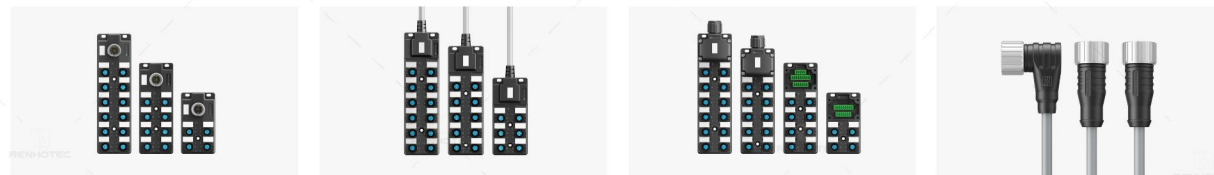
17P-20P



PCB Terminal Block

21P-22P

# M12 Distributor Box



Field-wireable Distribution Box

24P-27P

Pre-cast Line Distribution Box

28P-32P

PCB Interface & with Junction Box

33P-40P

Cable Accessories

41P-44P



PCB Terminal Block

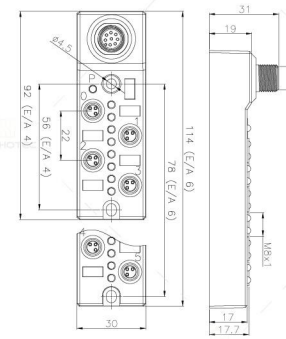
45P-48P

## TECHNICAL DATA

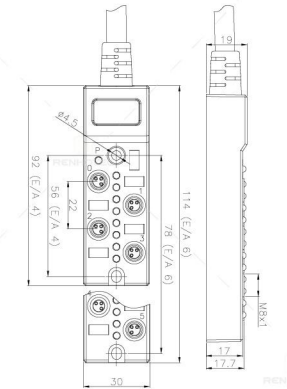
## DISTRIBUTION SYSTEMS

### M8 Distribution Systems

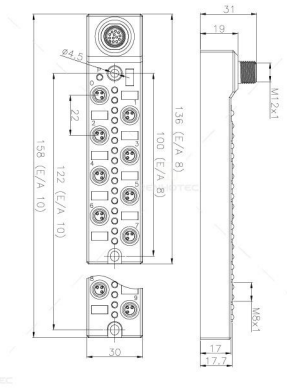
Field-wireable M12 Plug  
4/6 Ports



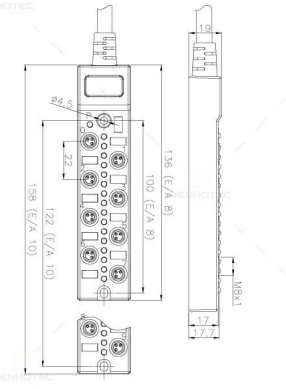
Pre-cast Line  
4/6 Ports



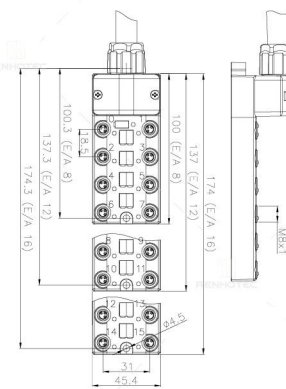
Field-wireable M12 Plug  
8/10 Ports



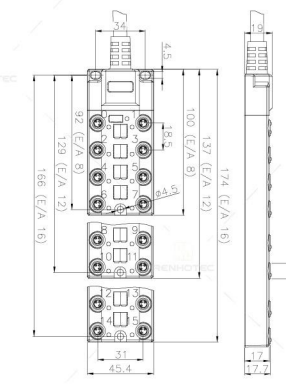
Pre-cast Line  
8/10 Ports



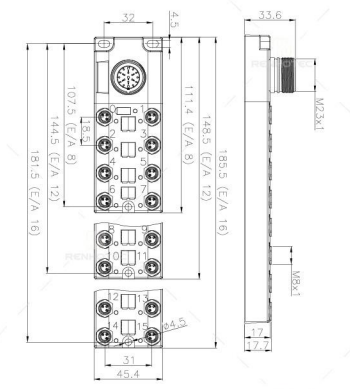
PCB Interface with Junction Box  
8/12/16 Ports



Pre-cast Line  
8/12/16 Ports

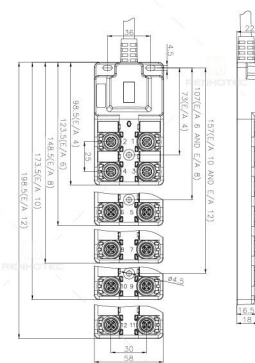


Field-wireable M23 Plug  
8/12/16 Ports

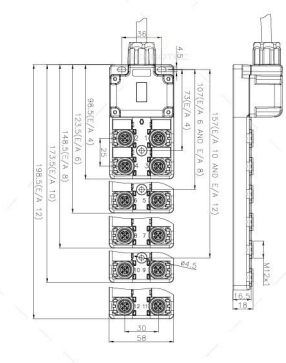


### M12 Distribution Systems

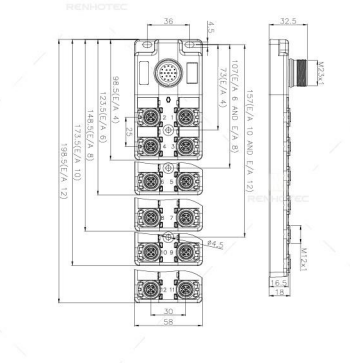
Pre-cast Line  
4/6/8/10/12 Ports



PCB Interface with Junction Box  
4/6/8/10/12 Ports

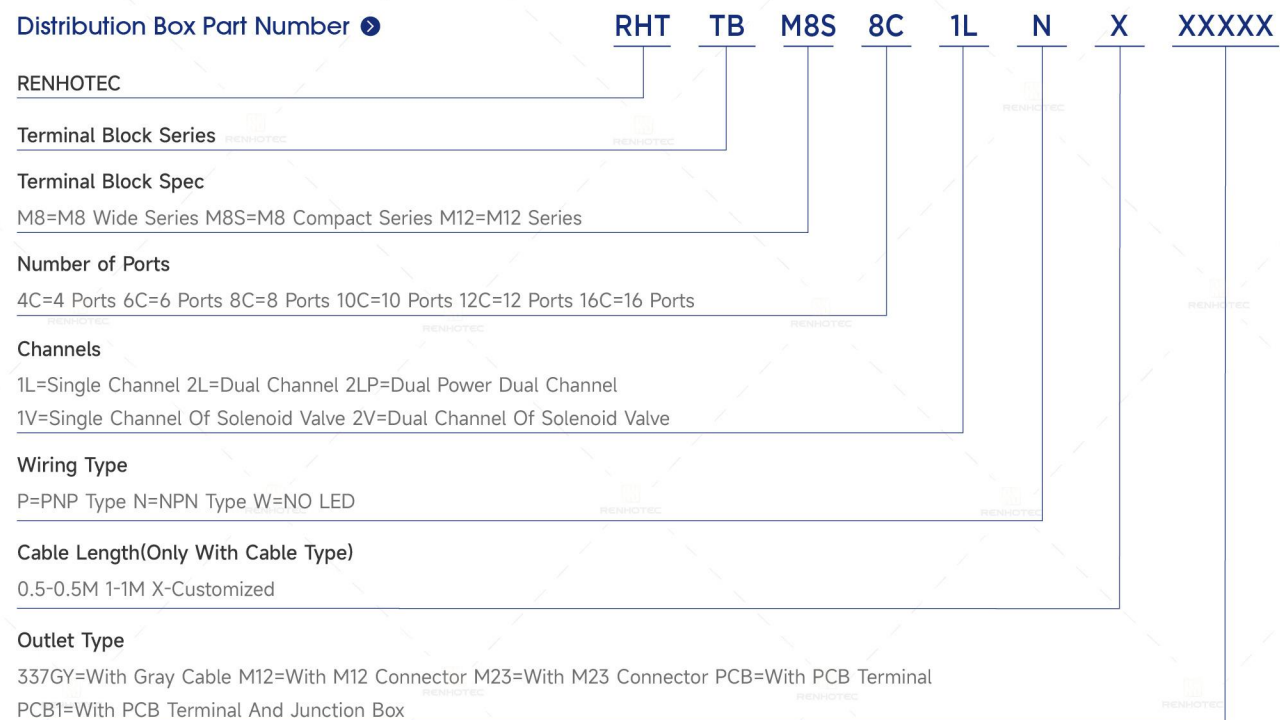


Field-wireable M23 Plug  
4/6/8/10/12 Ports

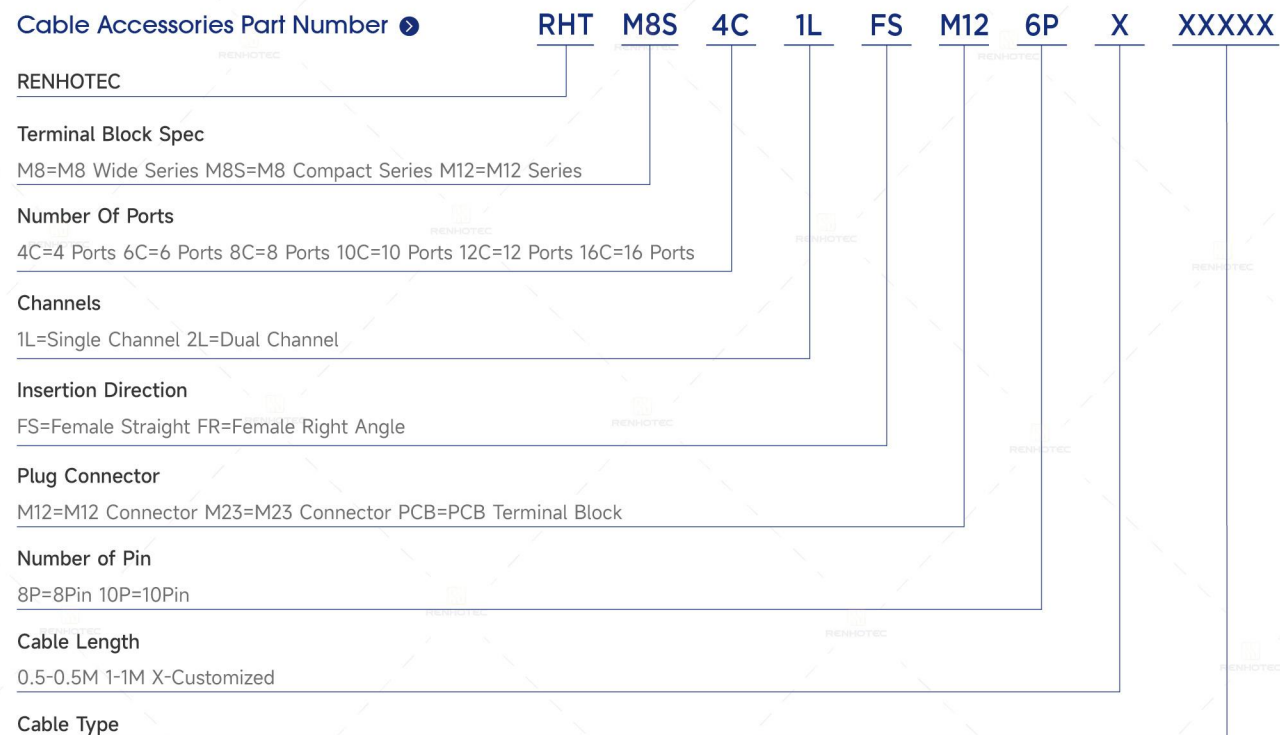


## How to Order

### Distribution Box Part Number



### Cable Accessories Part Number



## M8 Distributor Boxes

- IP67 protection grade.
- 4/6/8/10/12/16 Ports available.
- Single/Dual channels available.
- Inputs: M12, M23 connectors, PCB Interface or pre-molded cables.
- LED Indicator for power and signal status.
- Custom cable services available.

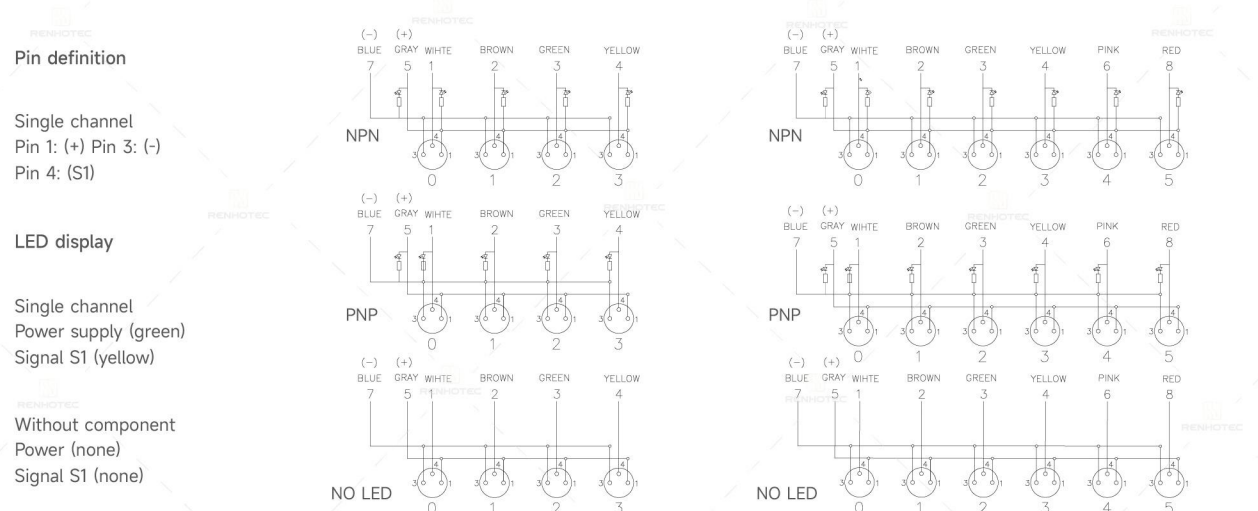
# M8 Compact 4/6 Ports, M12 Pre-Assembled Plug



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (M12 Male)  |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

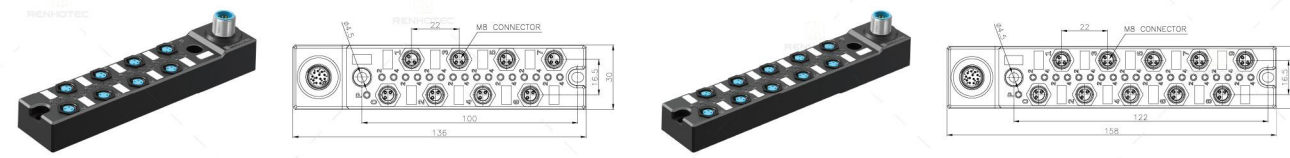
## Circuit Diagram



## Part Number

|                   |                        |                        |
|-------------------|------------------------|------------------------|
| Type              | 4 Ports/Single channel | 6 Ports/Single channel |
| NPN               | RHT-TB-M8S-4C1L-N-M12  | RHT-TB-M8S-6C1L-N-M12  |
| PNP               | RHT-TB-M8S-4C1L-P-M12  | RHT-TB-M8S-6C1L-P-M12  |
| Without component | RHT-TB-M8S-4C1L-W-M12  | RHT-TB-M8S-6C1L-W-M12  |

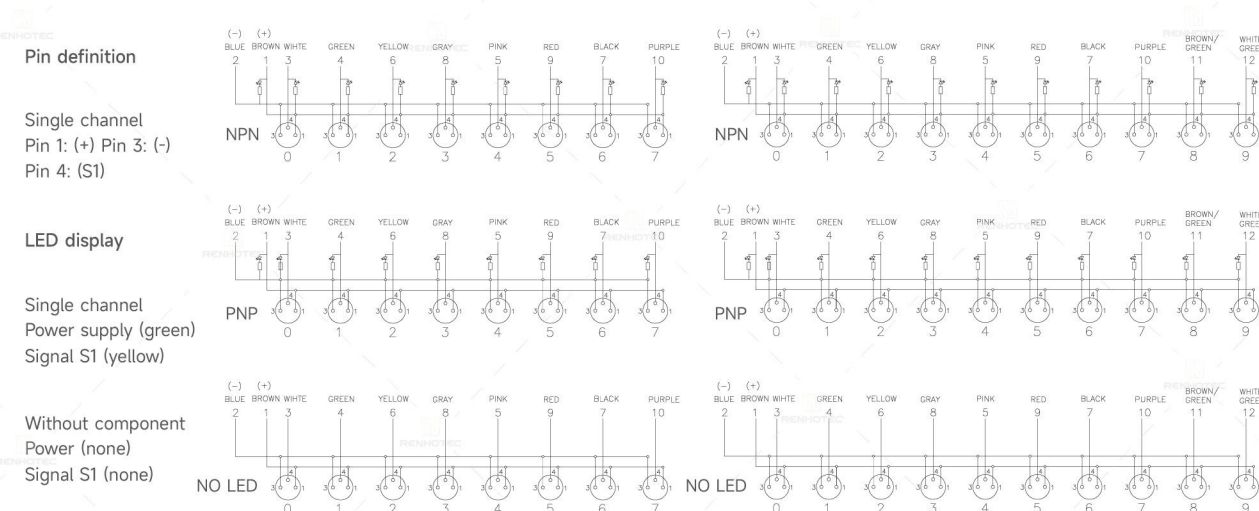
# M8 Compact 8/10 Ports, M12 Pre-Assembled Plug



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (M12 Male)  |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram



## Part Number

|                   |                        |                         |
|-------------------|------------------------|-------------------------|
| Type              | 8 Ports/Single channel | 10 Ports/Single channel |
| NPN               | RHT-TB-M8S-8C1L-N-M12  | RHT-TB-M8S-10C1L-N-M12  |
| PNP               | RHT-TB-M8S-8C1L-P-M12  | RHT-TB-M8S-10C1L-P-M12  |
| Without component | RHT-TB-M8S-8C1L-W-M12  | RHT-TB-M8S-10C1L-W-M12  |

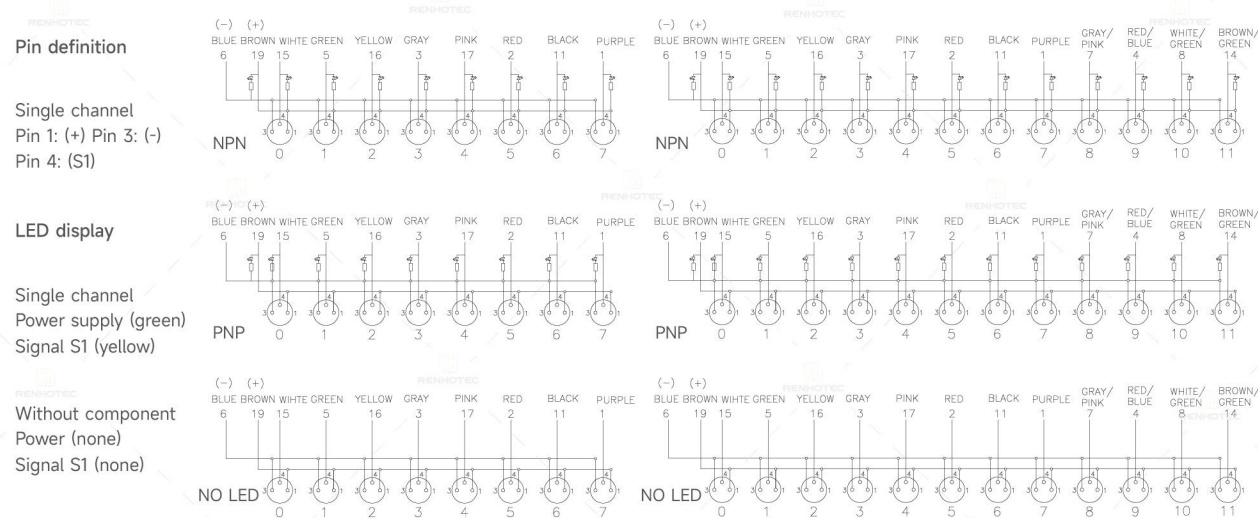
# M8 Distributor 8/12 Ports, M23 Pre-Assembled Plug



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (M23 Male)  |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram



## Part Number

|                   |                        |                         |
|-------------------|------------------------|-------------------------|
| Type              | 8 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M8-8C1L-N-M23   | RHT-TB-M8-12C1L-N-M23   |
| PNP               | RHT-TB-M8-8C1L-P-M23   | RHT-TB-M8-12C1L-P-M23   |
| Without component | RHT-TB-M8-8C1L-W-M23   | RHT-TB-M8-12C1L-W-M23   |

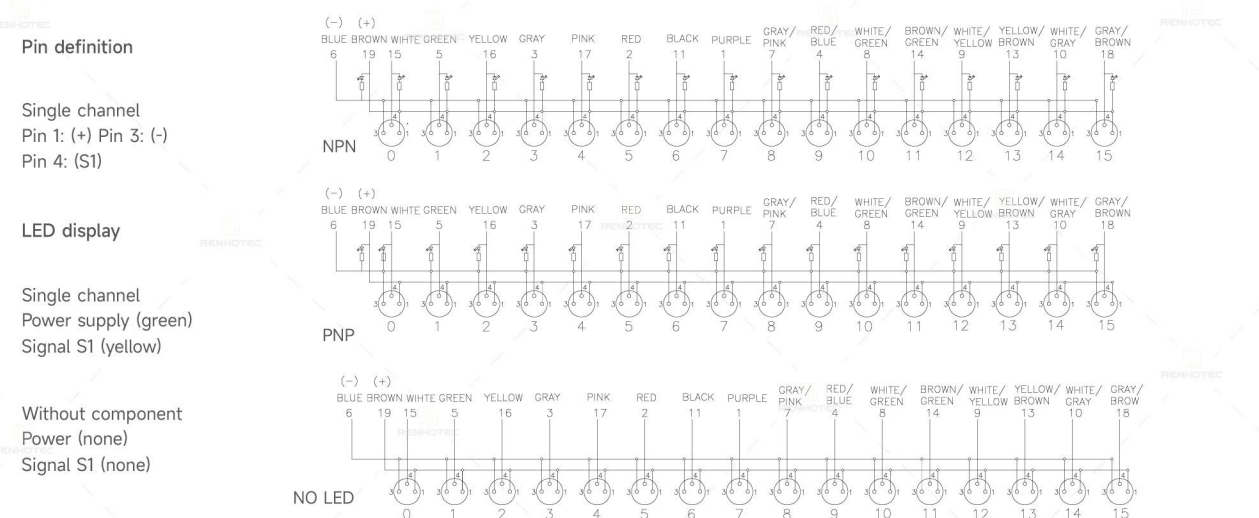
# M8 Distributor 16 Ports, M23 Pre-Assembled Plug



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (M23 Male)  |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30VDC                     | 18...30VDC                     |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

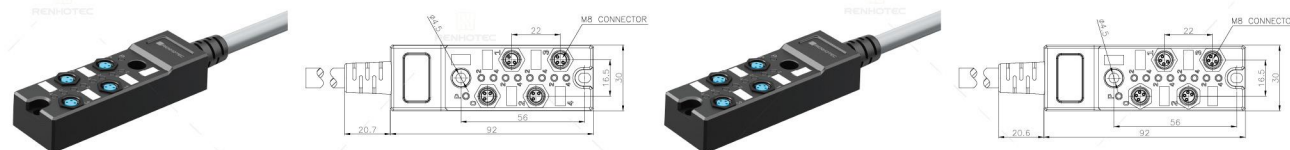
## Circuit Diagram



## Part Number

|                   |                         |
|-------------------|-------------------------|
| Type              | 16 Ports/Single channel |
| NPN               | RHT-TB-M8-16C1L-N-M23   |
| PNP               | RHT-TB-M8-16C1L-P-M23   |
| Without component | RHT-TB-M8-16C1L-W-M23   |

# M8 Compact 4 Ports, With Cable, Halogen-Free Cable



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1)

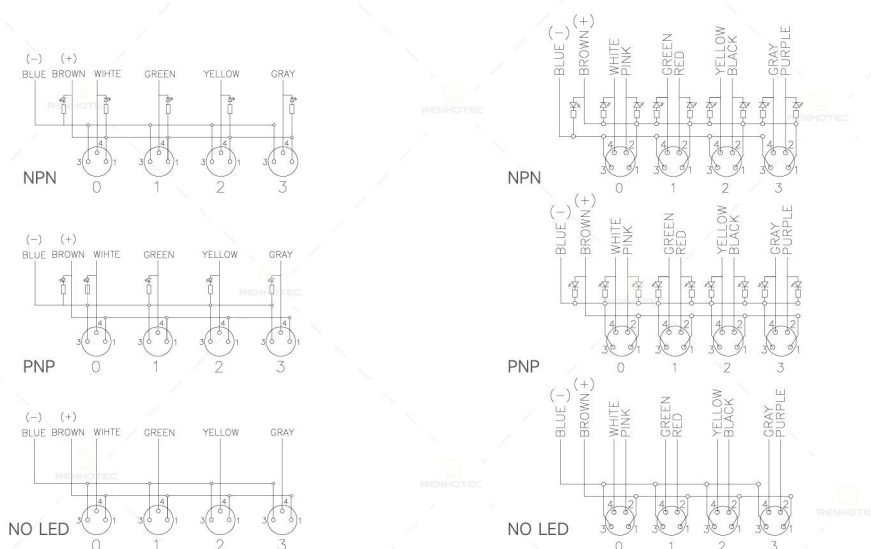
Dual channel  
Pin 1: (+) Pin 2: (S2)  
Pin 3: (-) Pin 4: (S1)

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)

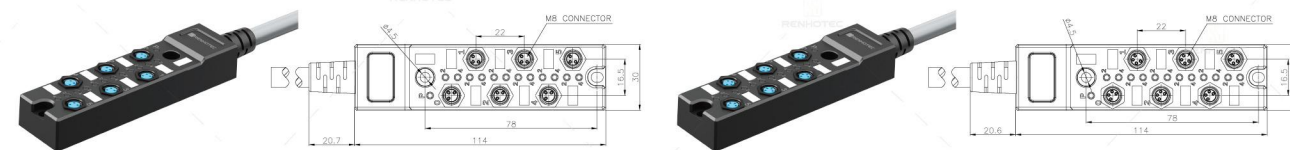


|                      |                       |                        |
|----------------------|-----------------------|------------------------|
| Sheath color         | GRAY                  | GRAY                   |
| PVC flexible cable   | 6*0.25mm <sup>2</sup> | 10*0.25mm <sup>2</sup> |
| PUR drag chain cable | 6*0.25mm <sup>2</sup> | 10*0.25mm <sup>2</sup> |

## Part Number

| Type              | Cable sheath         | 4 Ports/Single channel    | 4 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8S-4C1L-N-X-337GY | RHT-TB-M8S-4C2L-N-X-357GY |
|                   | PUR drag chain cable | RHT-TB-M8S-4C1L-N-X-301GY | RHT-TB-M8S-4C2L-N-X-359GY |
| PNP               | PVC flexible cable   | RHT-TB-M8S-4C1L-P-X-337GY | RHT-TB-M8S-4C2L-P-X-357GY |
|                   | PUR drag chain cable | RHT-TB-M8S-4C1L-P-X-301GY | RHT-TB-M8S-4C2L-P-X-359GY |
| Without component | PVC flexible cable   | RHT-TB-M8S-4C1L-W-X-337GY | RHT-TB-M8S-4C2L-W-X-357GY |
|                   | PUR drag chain cable | RHT-TB-M8S-4C1L-W-X-301GY | RHT-TB-M8S-4C2L-W-X-359GY |

# M8 Compact 6 Ports, With Cable, Halogen-Free Cable



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1)

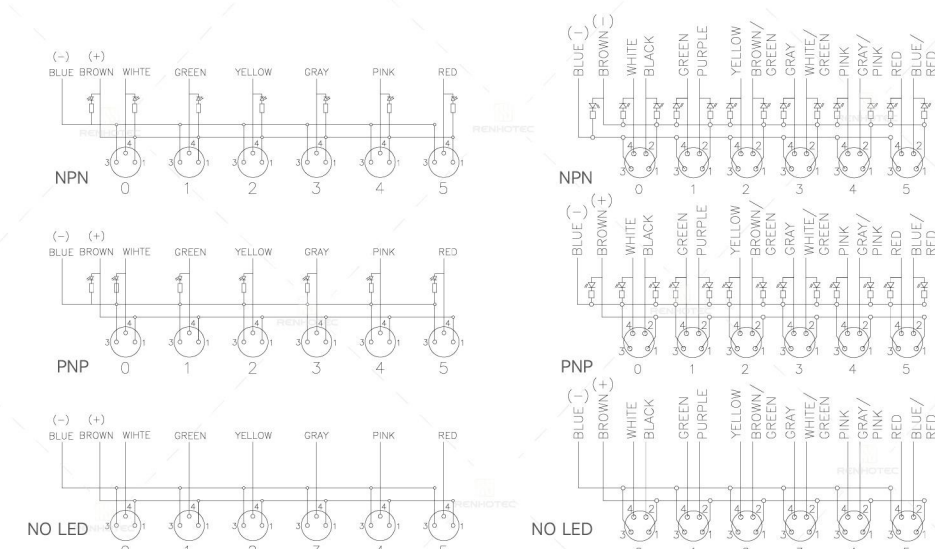
Dual channel  
Pin 1: (+) Pin 2: (S2)  
Pin 3: (-) Pin 4: (S1)

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)

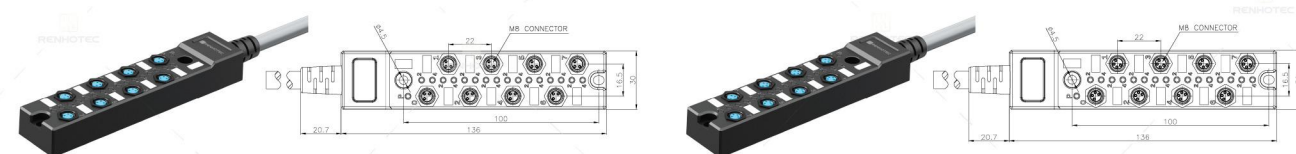


|                      |                       |                        |
|----------------------|-----------------------|------------------------|
| Sheath color         | GRAY                  | GRAY                   |
| PVC flexible cable   | 8*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |
| PUR drag chain cable | 8*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |

## Part Number

| Type              | Cable sheath         | 6 Ports/Single channel    | 6 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8S-6C1L-N-X-302GY | RHT-TB-M8S-6C2L-N-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8S-6C1L-N-X-303GY | RHT-TB-M8S-6C2L-N-X-396GY |
| PNP               | PVC flexible cable   | RHT-TB-M8S-6C1L-P-X-302GY | RHT-TB-M8S-6C2L-P-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8S-6C1L-P-X-303GY | RHT-TB-M8S-6C2L-P-X-396GY |
| Without component | PVC flexible cable   | RHT-TB-M8S-6C1L-W-X-302GY | RHT-TB-M8S-6C2L-W-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8S-6C1L-W-X-303GY | RHT-TB-M8S-6C2L-W-X-396GY |

# M8 Compact 8 Ports, With Cable, Halogen-Free Cable



## Specification

| Insert arrangement (M8 Female) | 4                              | 3                              |
|--------------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

**Pin definition**  
 Single channel  
 Pin 1: (+) Pin 3: (-)  
 Pin 4: (S1)

**LED display**  
 Single channel  
 Power supply (green)  
 Signal S1 (yellow)

**Dual channel**  
 Power supply (green)  
 Signal S1 (yellow)  
 Signal S2 (white)

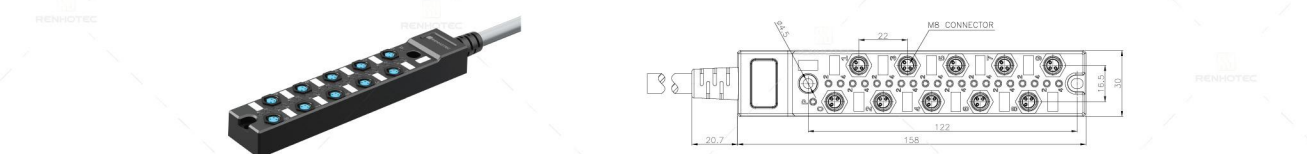
**Without component**  
 Power (none)  
 Signal S1 (none)

Sheath color: GRAY  
 PVC flexible cable: 10\*0.25mm<sup>2</sup>  
 PUR drag chain cable: 10\*0.25mm<sup>2</sup>

## Part Number

| Type              | Cable sheath         | 8 Ports/Single channel    | 8 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8S-8C1L-N-X-357GY | RHT-TB-M8S-8C2L-N-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8S-8C1L-N-X-359GY | RHT-TB-M8S-8C2L-N-X-307GY |
| PNP               | PVC flexible cable   | RHT-TB-M8S-8C1L-P-X-357GY | RHT-TB-M8S-8C2L-P-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8S-8C1L-P-X-359GY | RHT-TB-M8S-8C2L-P-X-307GY |
| Without component | PVC flexible cable   | RHT-TB-M8S-8C1L-W-X-357GY | RHT-TB-M8S-8C2L-W-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8S-8C1L-W-X-359GY | RHT-TB-M8S-8C2L-W-X-307GY |

# M8 Compact 10 Ports, With Cable, Halogen-Free Cable



## Specification

| Insert arrangement (M8 Female) | 4                              | 3                              |
|--------------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

**Pin definition**  
 Single channel  
 Pin 1: (+) Pin 3: (-)  
 Pin 4: (S1)

**LED display**  
 Single channel  
 Power supply (green)  
 Signal S1 (yellow)

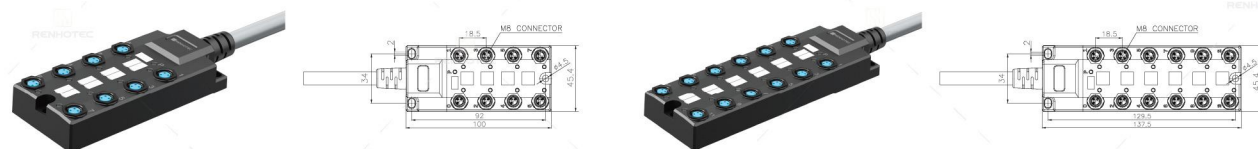
**Without component**  
 Power (none)  
 Signal S1 (none)

Sheath color: GRAY  
 PVC flexible cable: 12\*0.25mm<sup>2</sup>  
 PUR drag chain cable: 12\*0.25mm<sup>2</sup>

## Part Number

| Type              | Cable sheath         | 10 Ports/Single channel    |
|-------------------|----------------------|----------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8S-10C1L-N-X-304GY |
|                   | PUR drag chain cable | RHT-TB-M8S-10C1L-N-X-305GY |
| PNP               | PVC flexible cable   | RHT-TB-M8S-10C1L-P-X-304GY |
|                   | PUR drag chain cable | RHT-TB-M8S-10C1L-P-X-305GY |
| Without component | PVC flexible cable   | RHT-TB-M8S-10C1L-W-X-304GY |
|                   | PUR drag chain cable | RHT-TB-M8S-10C1L-W-X-305GY |

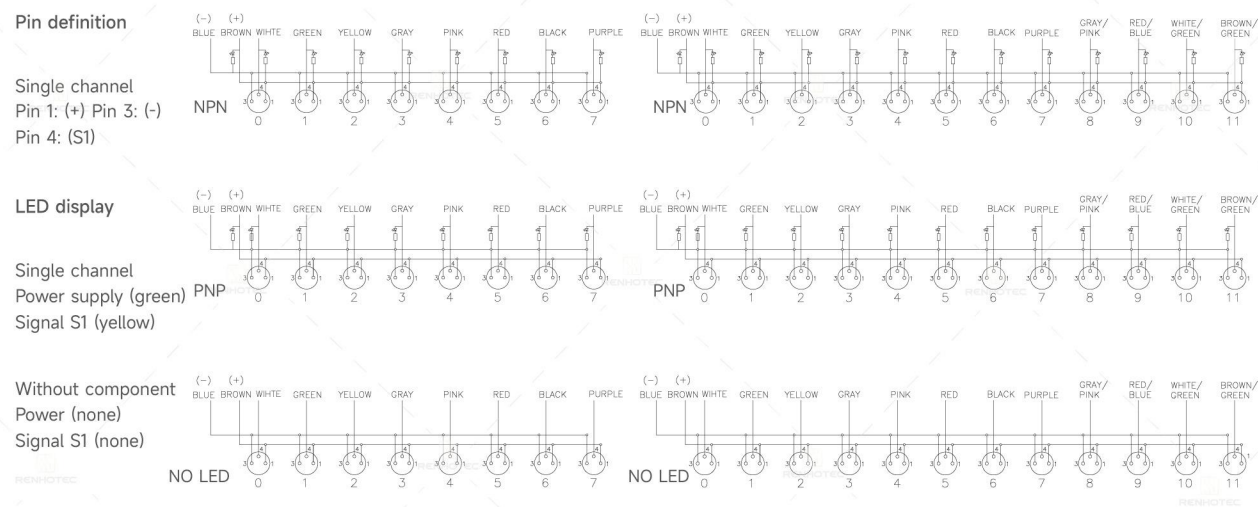
# M8 Distributor 8/12 Ports, With Cable, Halogen-Free Cable



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram



|                      |                        |                        |
|----------------------|------------------------|------------------------|
| Sheath color         | GRAY                   | GRAY                   |
| PVC flexible cable   | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |
| PUR drag chain cable | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |

## Part Number

| Type              | Cable sheath         | 8 Ports/Single channel   | 12 Ports/Single channel   |
|-------------------|----------------------|--------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8-8C1L-N-X-357GY | RHT-TB-M8-12C1L-N-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8-8C1L-N-X-359GY | RHT-TB-M8-12C1L-N-X-396GY |
| PNP               | PVC flexible cable   | RHT-TB-M8-8C1L-P-X-357GY | RHT-TB-M8-12C1L-P-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8-8C1L-P-X-359GY | RHT-TB-M8-12C1L-P-X-396GY |
| Without component | PVC flexible cable   | RHT-TB-M8-8C1L-W-X-357GY | RHT-TB-M8-12C1L-W-X-395GY |
|                   | PUR drag chain cable | RHT-TB-M8-8C1L-W-X-359GY | RHT-TB-M8-12C1L-W-X-396GY |

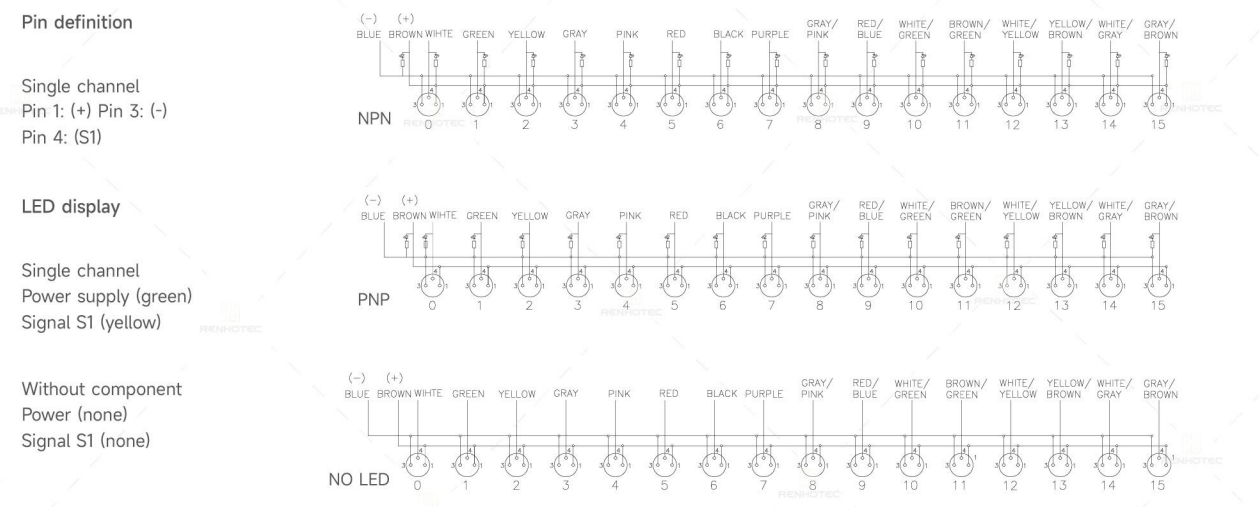
# M8 Distributor 16 Ports, With Cable, Halogen-Free Cable



## Specification

|                                |                                |
|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |
| Rated power supply Ue          | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    |
| Current load capacity (A)      | 2A                             |
| Total current (A)              | 6A                             |
| Power start Indicator light    | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) |

## Circuit Diagram



|                      |                        |
|----------------------|------------------------|
| Sheath color         | GRAY                   |
| PVC flexible cable   | 18*0.25mm <sup>2</sup> |
| PUR drag chain cable | 18*0.25mm <sup>2</sup> |

## Part Number

| Type              | Cable sheath         | 16 Ports/Single channel   |
|-------------------|----------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M8-16C1L-N-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8-16C1L-N-X-307GY |
| PNP               | PVC flexible cable   | RHT-TB-M8-16C1L-P-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8-16C1L-P-X-307GY |
| Without component | PVC flexible cable   | RHT-TB-M8-16C1L-W-X-306GY |
|                   | PUR drag chain cable | RHT-TB-M8-16C1L-W-X-307GY |

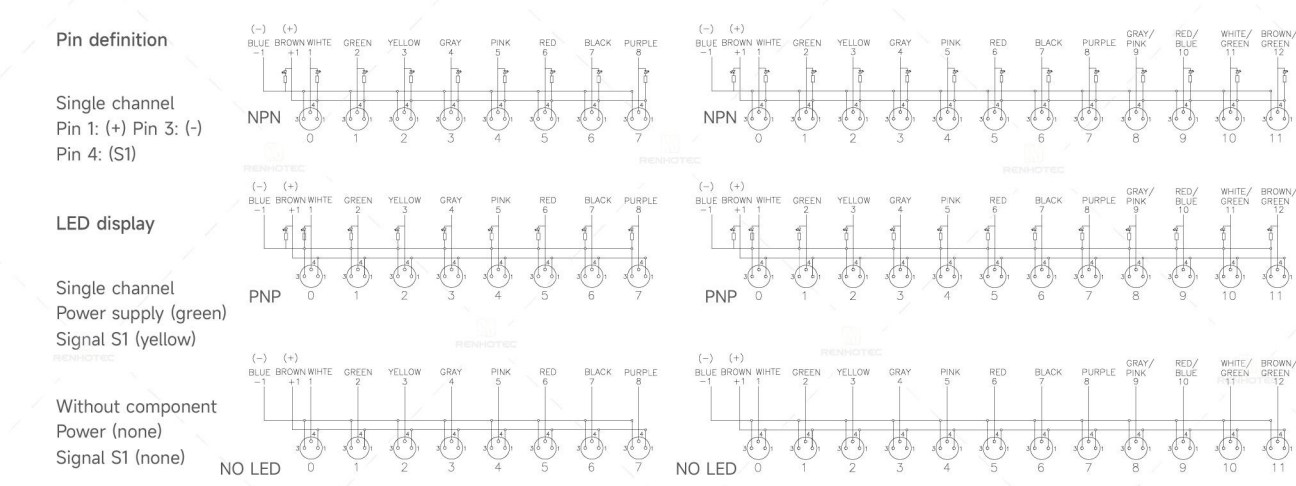
# M8 Distributor 8/12 Ports, PCB Interface



## Specification

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (PCB)       |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram



| Part Number       |                        |                         |
|-------------------|------------------------|-------------------------|
| Type              | 8 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M8-8C1L-N-PCB   | RHT-TB-M8-12C1L-N-PCB   |
| PNP               | RHT-TB-M8-8C1L-P-PCB   | RHT-TB-M8-12C1L-P-PCB   |
| Without component | RHT-TB-M8-8C1L-W-PCB   | RHT-TB-M8-12C1L-W-PCB   |

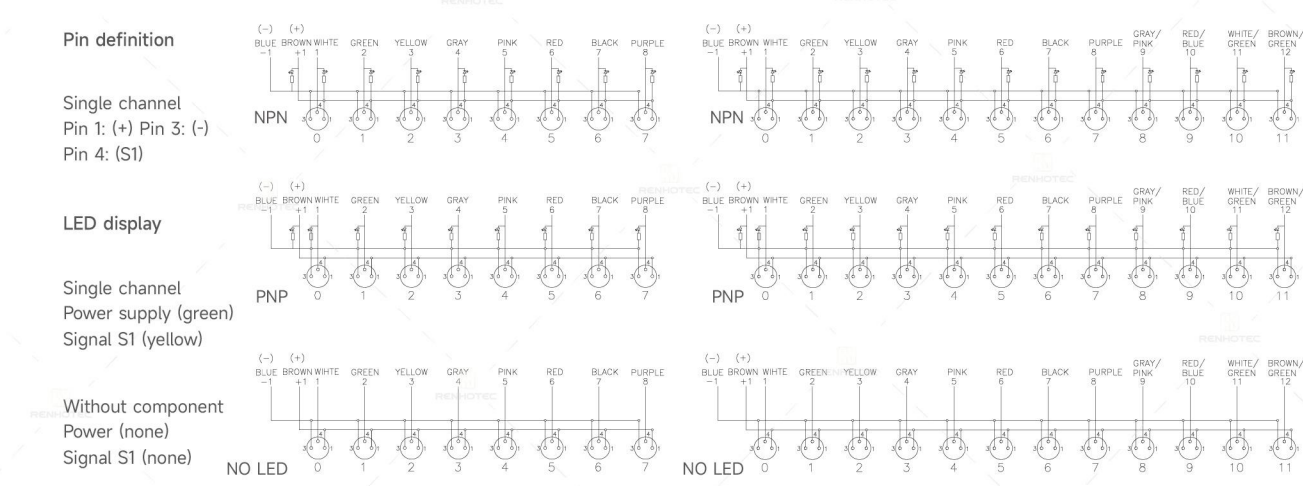
# M8 Distributor 8/12 Ports, PCB Interface with Junction Box



## Specification

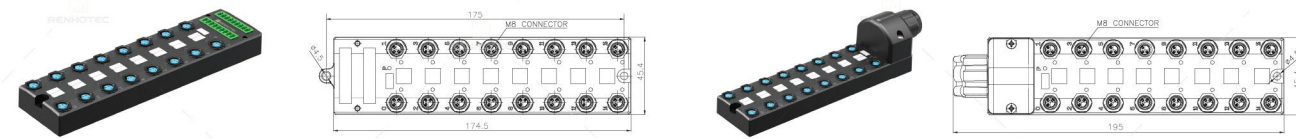
|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M8 Female) |                                |                                |
| Insert arrangement (PCB)       |                                |                                |
| Rated power supply Ue          | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub       | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)      | 2A                             | 2A                             |
| Total current (A)              | 6A                             | 6A                             |
| Power start Indicator light    | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade     | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram



| Part Number       |                        |                         |
|-------------------|------------------------|-------------------------|
| Type              | 8 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M8-8C1L-N-PCB1  | RHT-TB-M8-12C1L-N-PCB1  |
| PNP               | RHT-TB-M8-8C1L-P-PCB1  | RHT-TB-M8-12C1L-P-PCB1  |
| Without component | RHT-TB-M8-8C1L-W-PCB1  | RHT-TB-M8-12C1L-W-PCB1  |

# M8 Distributor 16 Ports, PCB Interface & with Junction Box

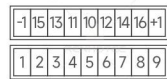


## Specification

Insert arrangement (M8 Female)



Insert arrangement (PCB)

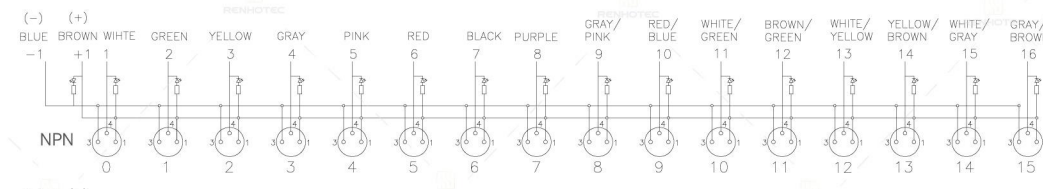


|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 2A                             | 2A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

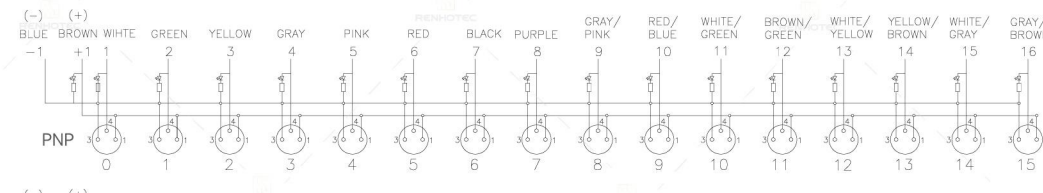
Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1)

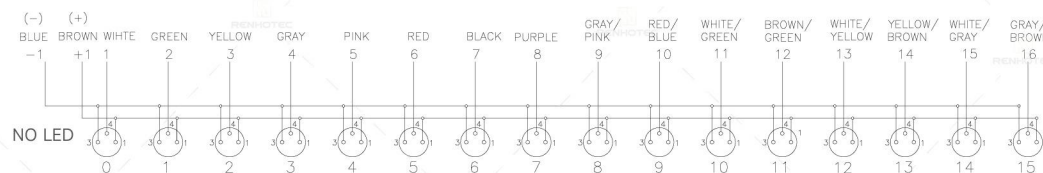


LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)



Without component  
Power (none)  
Signal S1 (none)



## Part Number

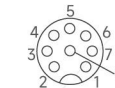
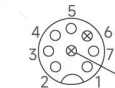
|                   |                         |                         |
|-------------------|-------------------------|-------------------------|
| Type              | 16 Ports/Single channel | 16 Ports/Single channel |
| NPN               | RHT-TB-M8-16C1L-N-PCB   | RHT-TB-M8-16C1L-N-PCB1  |
| PNP               | RHT-TB-M8-16C1L-P-PCB   | RHT-TB-M8-16C1L-P-PCB1  |
| Without component | RHT-TB-M8-16C1L-W-PCB   | RHT-TB-M8-16C1L-W-PCB1  |

# M8 Compact 4/6 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



## Part Number

|          |     |                               |                               |
|----------|-----|-------------------------------|-------------------------------|
| Type     |     | 4 Ports/Single channel        | 6 Ports/Single channel        |
| Straight | PVC | RHT-M8S-4C1L-FS-M126P-X-337GY | RHT-M8S-6C1L-FS-M128P-X-302GY |
|          | PUR | RHT-M8S-4C1L-FS-M126P-X-301GY | RHT-M8S-6C1L-FS-M128P-X-303GY |
| Angled   | PVC | RHT-M8S-4C1L-FR-M126P-X-337GY | RHT-M8S-6C1L-FR-M128P-X-302GY |
|          | PUR | RHT-M8S-4C1L-FR-M126P-X-301GY | RHT-M8S-6C1L-FR-M128P-X-303GY |

## Circuit Diagram



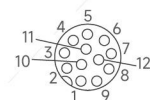
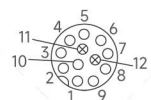
|                      |                       |                       |
|----------------------|-----------------------|-----------------------|
| Sheath color         | GRAY                  | GRAY                  |
| PVC flexible cable   | 6*0.25mm <sup>2</sup> | 8*0.25mm <sup>2</sup> |
| PUR drag chain cable | 6*0.25mm <sup>2</sup> | 8*0.25mm <sup>2</sup> |

# M8 Compact 8/10 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



## Part Number

| Type     |     | 8 Ports/Single channel         | 10 Ports/Single channel         |
|----------|-----|--------------------------------|---------------------------------|
| Straight | PVC | RHT-M8S-8C1L-FS-M1210P-X-357GY | RHT-M8S-10C1L-FS-M1212P-X-304GY |
|          | PUR | RHT-M8S-8C1L-FS-M1210P-X-359GY | RHT-M8S-10C1L-FS-M1212P-X-305GY |
| Angled   | PVC | RHT-M8S-8C1L-FR-M1210P-X-357GY | RHT-M8S-10C1L-FR-M1212P-X-304GY |
|          | PUR | RHT-M8S-8C1L-FR-M1210P-X-359GY | RHT-M8S-10C1L-FR-M1212P-X-305GY |

## Circuit Diagram

- 1 Brown
- 2 Blue
- 3 White
- 4 Green
- 5 Pink
- 6 Yellow
- 7 Black
- 8 Gray
- 9 Red
- 10 Purple

- 1 Brown
- 2 Blue
- 3 White
- 4 Green
- 5 Pink
- 6 Yellow
- 7 Black
- 8 Gray
- 9 Red
- 10 Purple
- 11 Brown/Green
- 12 White/Green

|                      |                        |                        |
|----------------------|------------------------|------------------------|
| Sheath color         | GRAY                   | GRAY                   |
| PVC flexible cable   | 10*0.25mm <sup>2</sup> | 12*0.25mm <sup>2</sup> |
| PUR drag chain cable | 10*0.25mm <sup>2</sup> | 12*0.25mm <sup>2</sup> |

# M8 Distributor 8/12 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



## Part Number

| Type     |     | 8 Ports/Single channel        | 12 Ports/Single channel        |
|----------|-----|-------------------------------|--------------------------------|
| Straight | PVC | RHT-M8-8C1L-FS-M2310P-X-357GY | RHT-M8-12C1L-FS-M2314P-X-395GY |
|          | PUR | RHT-M8-8C1L-FS-M2310P-X-359GY | RHT-M8-12C1L-FS-M2314P-X-396GY |
| Angled   | PVC | RHT-M8-8C1L-FR-M2310P-X-357GY | RHT-M8-12C1L-FR-M2314P-X-395GY |
|          | PUR | RHT-M8-8C1L-FR-M2310P-X-359GY | RHT-M8-12C1L-FR-M2314P-X-396GY |

## Circuit Diagram

- 1 Purple
- 2 Red
- 3 Gray
- 5 Green
- 6 Blue
- 11 Black
- 15 White
- 16 Yellow
- 17 Pink
- 19 Brown

- 1 Purple
- 2 Red
- 3 Gray
- 4 Red/Blue
- 5 Green
- 6 Blue
- 7 Gray/Pink
- 8 White/Green
- 11 Black
- 14 Brown/Green
- 15 White
- 16 Yellow
- 17 Pink
- 19 Brown

|                      |                        |                        |
|----------------------|------------------------|------------------------|
| Sheath color         | GRAY                   | GRAY                   |
| PVC flexible cable   | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |
| PUR drag chain cable | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |

# M8 Distributor 16 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



## Part Number

| Type        | 16 Ports/Single channel        | 16 Ports/Single channel        |
|-------------|--------------------------------|--------------------------------|
| Orientation | Straight                       | Angled                         |
| PVC         | RHT-M8-16C1L-FS-M2318P-X-306GY | RHT-M8-16C1L-FR-M2318P-X-306GY |
| PUR         | RHT-M8-16C1L-FS-M2318P-X-307GY | RHT-M8-16C1L-FR-M2318P-X-307GY |

## Circuit Diagram



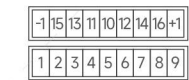
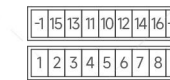
|                      |                        |
|----------------------|------------------------|
| Sheath color         | GRAY                   |
| PVC flexible cable   | 18*0.25mm <sup>2</sup> |
| PUR drag chain cable | 18*0.25mm <sup>2</sup> |

# M8 Distributor 8/12 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

Insert arrangement (PCB)



## Part Number

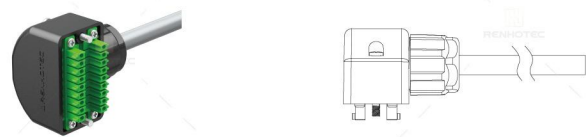
| Type | 8 Ports/Single channel        | 12 Ports/Single channel        |
|------|-------------------------------|--------------------------------|
| PVC  | RHT-M8-8C1L-FR-PCB10P-X-357GY | RHT-M8-12C1L-FR-PCB14P-X-395GY |
| PUR  | RHT-M8-8C1L-FR-PCB10P-X-359GY | RHT-M8-12C1L-FR-PCB14P-X-396GY |

## Circuit Diagram



|                      |                        |                        |
|----------------------|------------------------|------------------------|
| Sheath color         | GRAY                   | GRAY                   |
| PVC flexible cable   | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |
| PUR drag chain cable | 10*0.25mm <sup>2</sup> | 14*0.25mm <sup>2</sup> |

# M8 Distributor 16 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

Insert arrangement (PCB)

|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| -1 | 15 | 13 | 11 | 10 | 12 | 14 | 16 | +1 |
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |

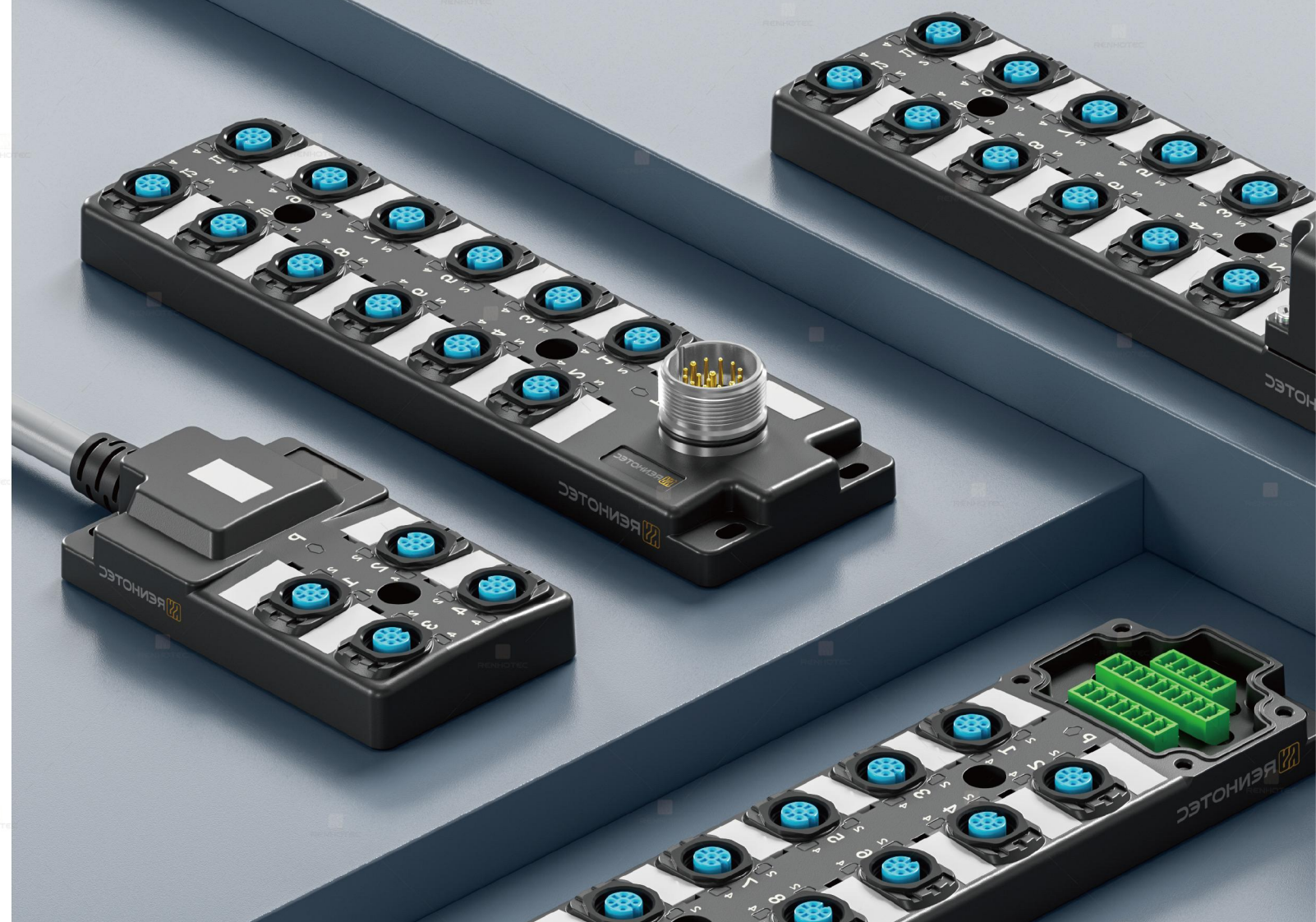
## Part Number

|      |                                |
|------|--------------------------------|
| Type | 16 Ports/Single channel        |
| PVC  | RHT-M8-16C1L-FR-PCB18P-X-306GY |
| PUR  | RHT-M8-16C1L-FR-PCB18P-X-307GY |

## Circuit Diagram

|    |              |
|----|--------------|
| -1 | Blue         |
| +2 | Brown        |
| 1  | White        |
| 2  | Green        |
| 3  | Yellow       |
| 4  | Gray         |
| 5  | Pink         |
| 6  | Red          |
| 7  | Black        |
| 8  | Purple       |
| 9  | Gray/Pink    |
| 10 | Red/Blue     |
| 11 | White/Green  |
| 12 | Brown/Green  |
| 13 | White/Yellow |
| 14 | Yellow/Brown |
| 15 | White/Gray   |
| 16 | Gray/Brown   |

|                      |                        |
|----------------------|------------------------|
| Sheath color         | GRAY                   |
| PVC flexible cable   | 18*0.25mm <sup>2</sup> |
| PUR drag chain cable | 18*0.25mm <sup>2</sup> |



# M12 Distributor Boxes

- IP67 protection grade.
- 4/6/8/10/12 Ports available.
- Single/Dual channels available.
- Inputs: M23 connectors, PCB Interface or pre-molded cables.
- LED Indicator for power and signal status.
- Custom cable services available.

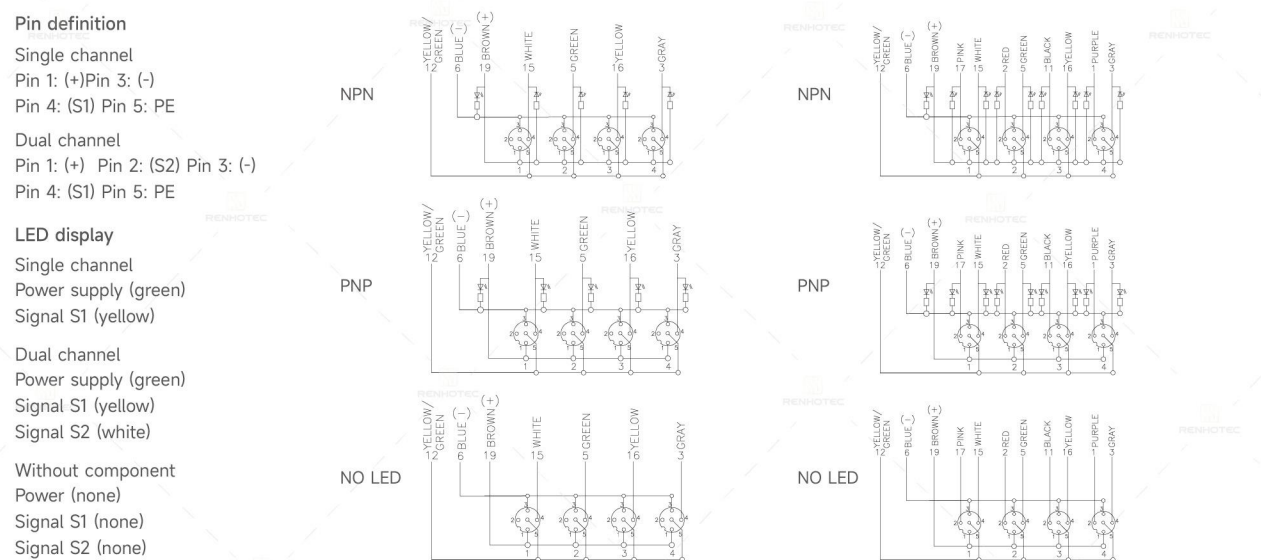
# M12 Distributor 4 Ports, M23 Pre-Assembled Plug



## Specification

|                                 |                                |                                |
|---------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M12 Female) |                                |                                |
| Insert arrangement (M23 Male)   |                                |                                |
| Rated power supply Ue           | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub        | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)       | 4A                             | 4A                             |
| Total current (A)               | 6A                             | 6A                             |
| Power start Indicator light     | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade      | IP67 (when properly connected) | IP67 (when properly connected) |

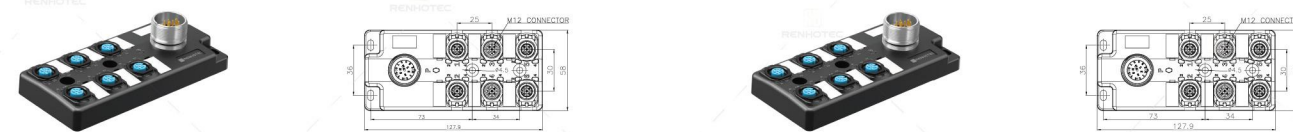
## Circuit Diagram



## Part Number

|                   |                        |                       |
|-------------------|------------------------|-----------------------|
| Type              | 4 Ports/Single channel | 4 Ports/Dual channel  |
| NPN               | RHT-TB-M12-4C1L-N-M23  | RHT-TB-M12-4C2L-N-M23 |
| PNP               | RHT-TB-M12-4C1L-P-M23  | RHT-TB-M12-4C2L-P-M23 |
| Without component | RHT-TB-M12-4C1L-W-M23  | RHT-TB-M12-4C2L-W-M23 |

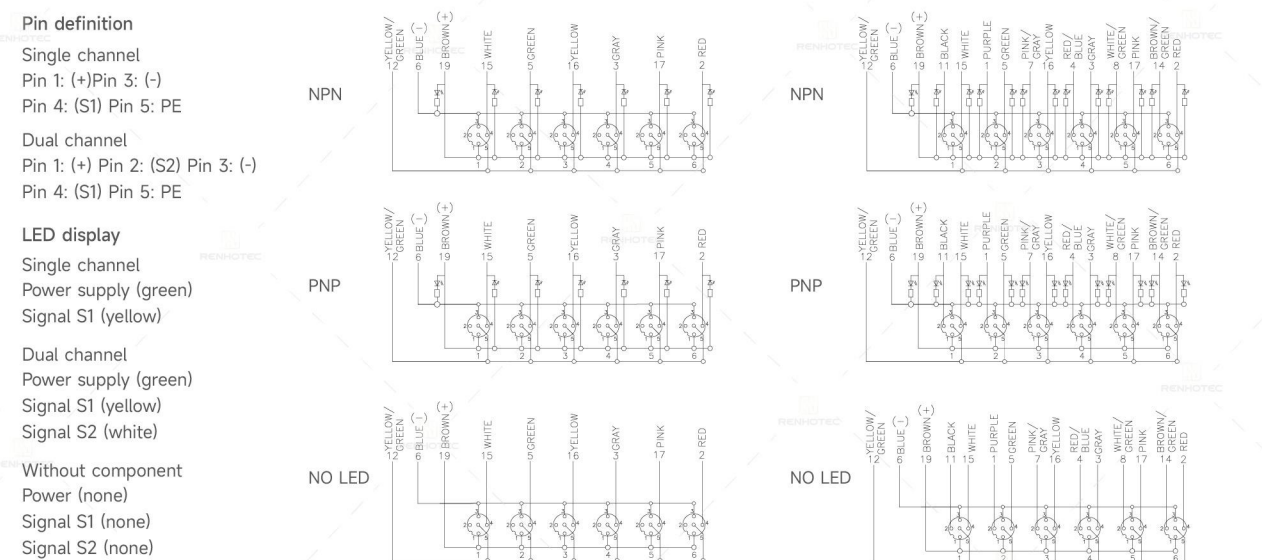
# M12 Distributor 6 Ports, M23 Pre-Assembled Plug



## Specification

|                                 |                                |                                |
|---------------------------------|--------------------------------|--------------------------------|
| Insert arrangement (M12 Female) |                                |                                |
| Insert arrangement (M23 Male)   |                                |                                |
| Rated power supply Ue           | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub        | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)       | 4A                             | 4A                             |
| Total current (A)               | 6A                             | 6A                             |
| Power start Indicator light     | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade      | IP67 (when properly connected) | IP67 (when properly connected) |

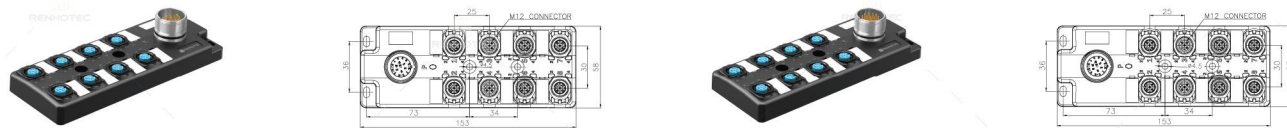
## Circuit Diagram



## Part Number

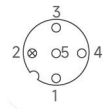
|                   |                        |                       |
|-------------------|------------------------|-----------------------|
| Type              | 6 Ports/Single channel | 6 Ports/Dual channel  |
| NPN               | RHT-TB-M12-6C1L-N-M23  | RHT-TB-M12-6C2L-N-M23 |
| PNP               | RHT-TB-M12-6C1L-P-M23  | RHT-TB-M12-6C2L-P-M23 |
| Without component | RHT-TB-M12-6C1L-W-M23  | RHT-TB-M12-6C2L-W-M23 |

# M12 Distributor 8 Ports, M23 Pre-Assembled Plug

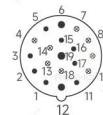


## Specification

Insert arrangement (M12 Female)



Insert arrangement (M23 Male)

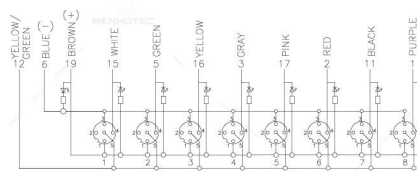


|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

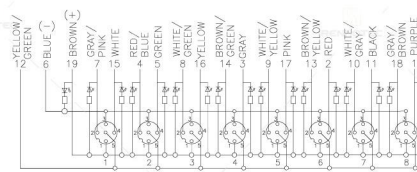
## Circuit Diagram

Pin definition  
Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

NPN

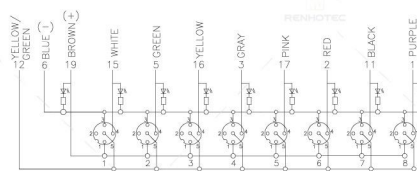


NPN

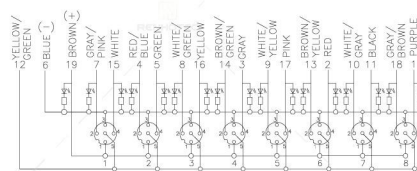


Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

PNP

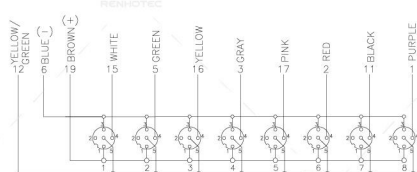


PNP

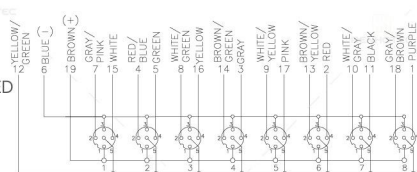


LED display  
Single channel  
Power supply (green)  
Signal S1 (yellow)

NO LED



NO LED

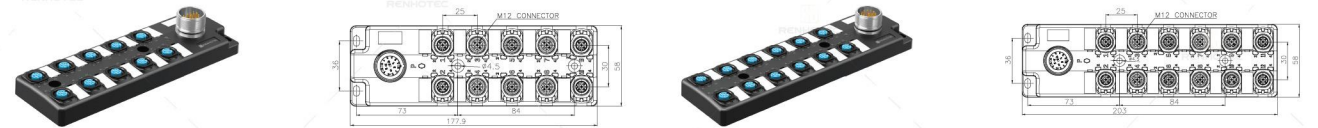


Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)

## Part Number

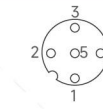
|                   |                        |                       |
|-------------------|------------------------|-----------------------|
| Type              | 8 Ports/Single channel | 8 Ports/Dual channel  |
| NPN               | RHT-TB-M12-8C1L-N-M23  | RHT-TB-M12-8C2L-N-M23 |
| PNP               | RHT-TB-M12-8C1L-P-M23  | RHT-TB-M12-8C2L-P-M23 |
| Without component | RHT-TB-M12-8C1L-W-M23  | RHT-TB-M12-8C2L-W-M23 |

# M12 Distributor 10/12 Ports, M23 Pre-Assembled Plug

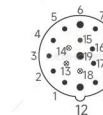


## Specification

Insert arrangement (M12 Female)



Insert arrangement (M23 Male)

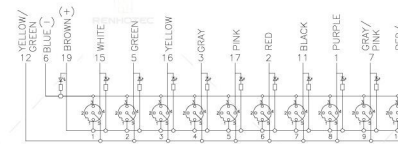


|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

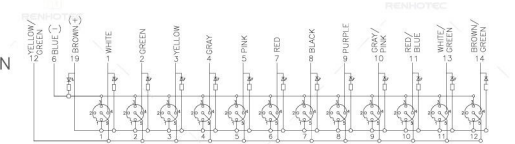
## Circuit Diagram

Pin definition  
Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

NPN

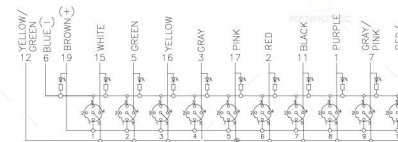


NPN

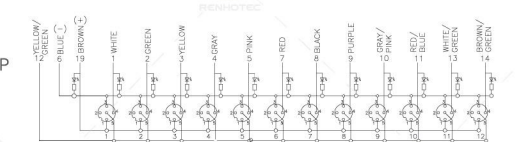


Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

PNP

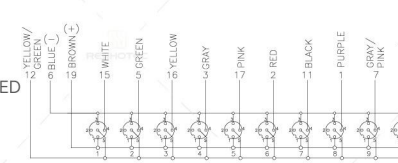


PNP

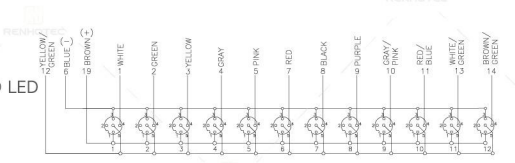


LED display  
Single channel  
Power supply (green)  
Signal S1 (yellow)

NO LED



NO LED

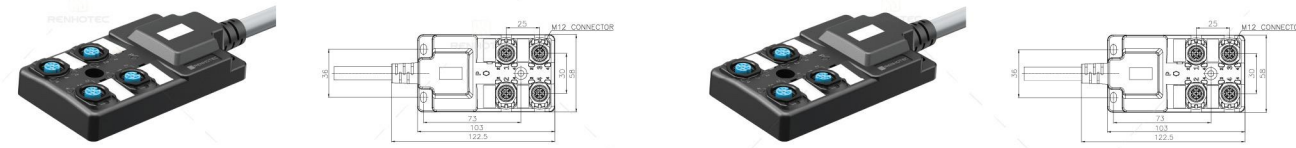


Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)

## Part Number

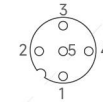
|                   |                         |                         |
|-------------------|-------------------------|-------------------------|
| Type              | 10 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M12-10C1L-N-M23  | RHT-TB-M12-12C1L-N-M23  |
| PNP               | RHT-TB-M12-10C1L-P-M23  | RHT-TB-M12-12C1L-P-M23  |
| Without component | RHT-TB-M12-10C1L-W-M23  | RHT-TB-M12-12C1L-W-M23  |

# M12 Distributor 4 Ports, With Cable, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

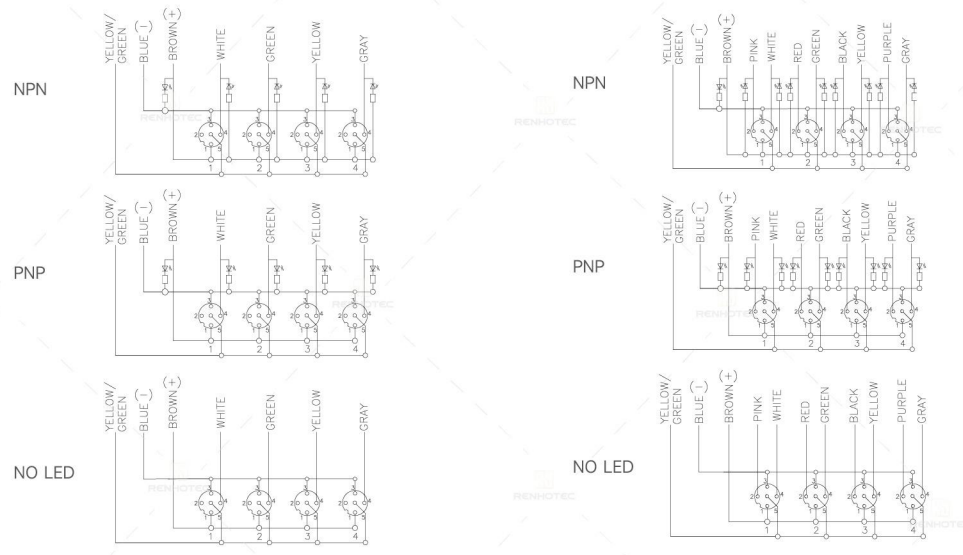
Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)



|                      |                             |                              |
|----------------------|-----------------------------|------------------------------|
| Sheath color         | GRAY                        | GRAY                         |
| PVC flexible cable   | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |

## Part Number

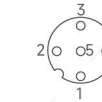
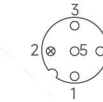
| Type              | Cable sheath         | 4 Ports/Single channel    | 4 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M12-4C1L-N-X-333GY | RHT-TB-M12-4C2L-N-X-362GY |
|                   | PUR drag chain cable | RHT-TB-M12-4C1L-N-X-334GY | RHT-TB-M12-4C2L-N-X-448GY |
| PNP               | PVC flexible cable   | RHT-TB-M12-4C1L-P-X-333GY | RHT-TB-M12-4C2L-P-X-362GY |
|                   | PUR drag chain cable | RHT-TB-M12-4C1L-P-X-334GY | RHT-TB-M12-4C2L-P-X-448GY |
| Without component | PVC flexible cable   | RHT-TB-M12-4C1L-W-X-333GY | RHT-TB-M12-4C2L-W-X-362GY |
|                   | PUR drag chain cable | RHT-TB-M12-4C1L-W-X-334GY | RHT-TB-M12-4C2L-W-X-448GY |

# M12 Distributor 6 Ports, With Cable, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

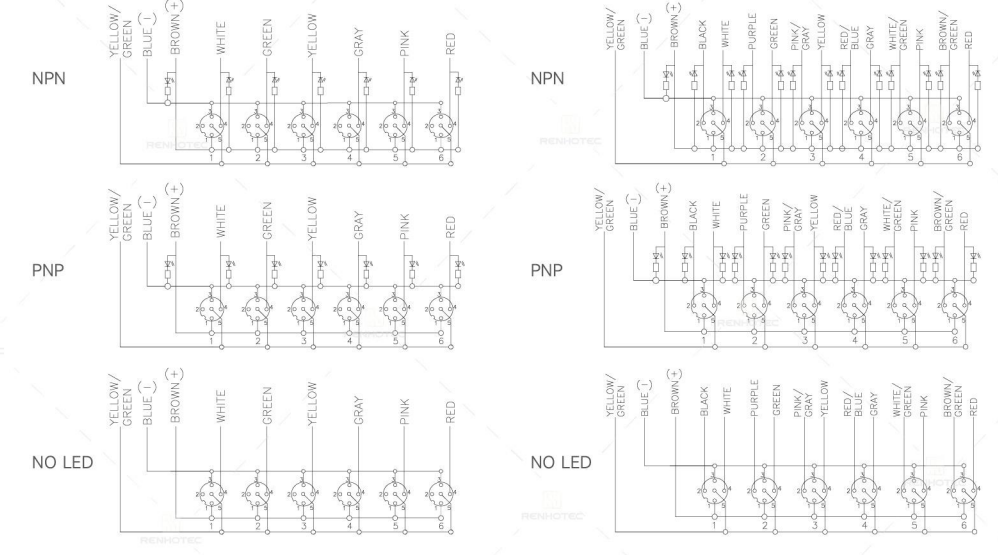
Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)

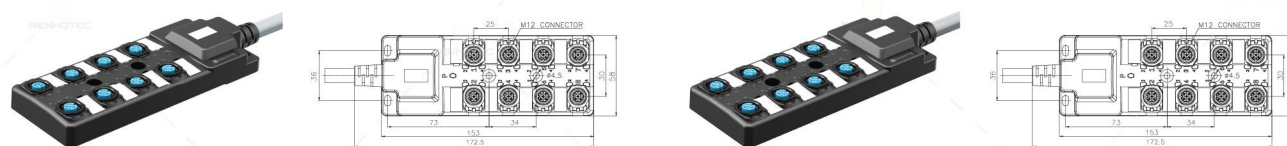


|                      |                             |                               |
|----------------------|-----------------------------|-------------------------------|
| Sheath color         | GRAY                        | GRAY                          |
| PVC flexible cable   | 3*0.5+6*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.5+6*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |

## Part Number

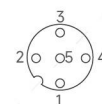
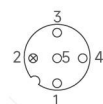
| Type              | Cable sheath         | 6 Ports/Single channel    | 6 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M12-6C1L-N-X-310GY | RHT-TB-M12-6C2L-N-X-308GY |
|                   | PUR drag chain cable | RHT-TB-M12-6C1L-N-X-311GY | RHT-TB-M12-6C2L-N-X-309GY |
| PNP               | PVC flexible cable   | RHT-TB-M12-6C1L-P-X-310GY | RHT-TB-M12-6C2L-P-X-308GY |
|                   | PUR drag chain cable | RHT-TB-M12-6C1L-P-X-311GY | RHT-TB-M12-6C2L-P-X-309GY |
| Without component | PVC flexible cable   | RHT-TB-M12-6C1L-W-X-310GY | RHT-TB-M12-6C2L-W-X-308GY |
|                   | PUR drag chain cable | RHT-TB-M12-6C1L-W-X-311GY | RHT-TB-M12-6C2L-W-X-309GY |

# M12 Distributor 8 Ports, With Cable, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

Dual channel

Pin 1: (+) Pin 2: (S2) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

### LED display

Single channel

Power supply (green)

Signal S1 (yellow)

Dual channel

Power supply (green)

Signal S1 (yellow)

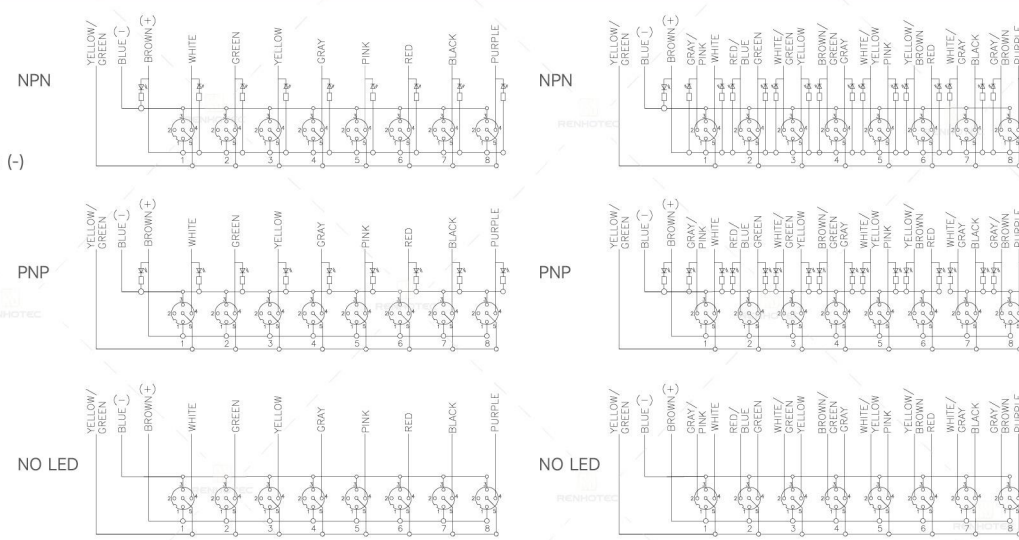
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)

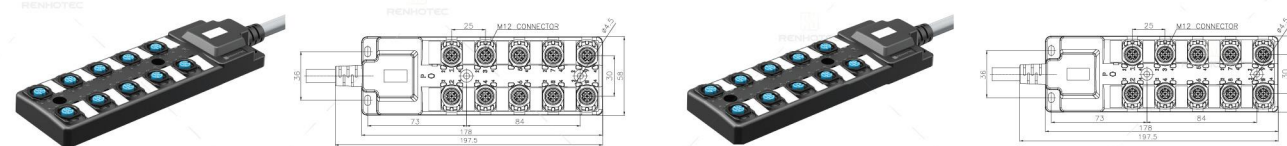


|                      |                              |                               |
|----------------------|------------------------------|-------------------------------|
| Sheath color         | GRAY                         | GRAY                          |
| PVC flexible cable   | 3*0.75+8*0.34mm <sup>2</sup> | 3*0.75+16*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+8*0.34mm <sup>2</sup> | 3*0.75+16*0.34mm <sup>2</sup> |

## Part Number

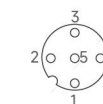
| Type              | Cable sheath         | 8 Ports/Single channel    | 8 Ports/Dual channel      |
|-------------------|----------------------|---------------------------|---------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M12-8C1L-N-X-362GY | RHT-TB-M12-8C2L-N-X-398GY |
|                   | PUR drag chain cable | RHT-TB-M12-8C1L-N-X-448GY | RHT-TB-M12-8C2L-N-X-399GY |
| PNP               | PVC flexible cable   | RHT-TB-M12-8C1L-P-X-362GY | RHT-TB-M12-8C2L-P-X-398GY |
|                   | PUR drag chain cable | RHT-TB-M12-8C1L-P-X-448GY | RHT-TB-M12-8C2L-P-X-399GY |
| Without component | PVC flexible cable   | RHT-TB-M12-8C1L-W-X-362GY | RHT-TB-M12-8C2L-W-X-398GY |
|                   | PUR drag chain cable | RHT-TB-M12-8C1L-W-X-448GY | RHT-TB-M12-8C2L-W-X-399GY |

# M12 Distributor 10 Ports, With Cable, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

Dual channel

Pin 1: (+) Pin 2: (S2)

Pin 3: (-) Pin 4: (S1)

Pin 5: PE

### LED display

Single channel

Power supply (green)

Signal S1 (yellow)

Dual channel

Power supply (green)

Signal S1 (yellow)

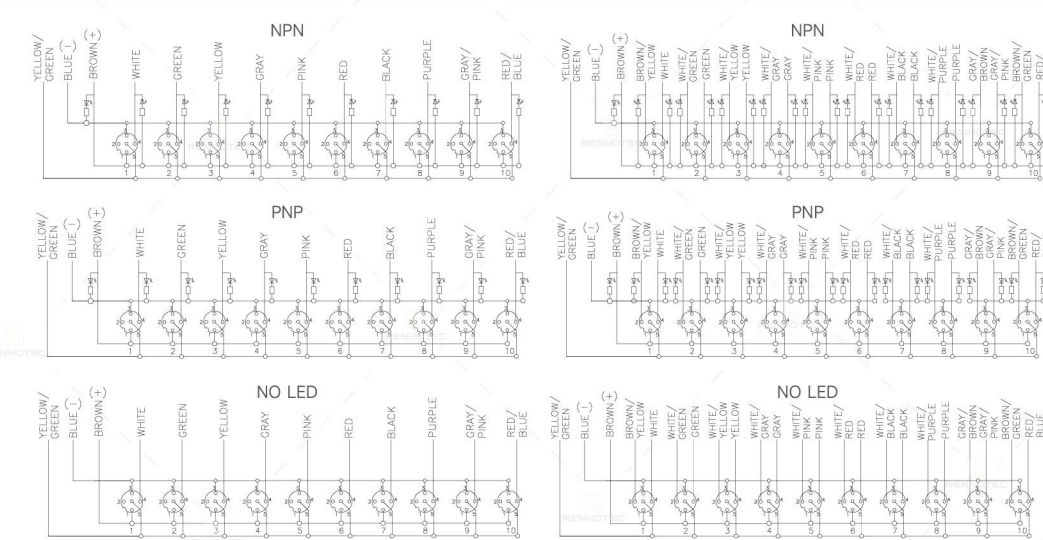
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)

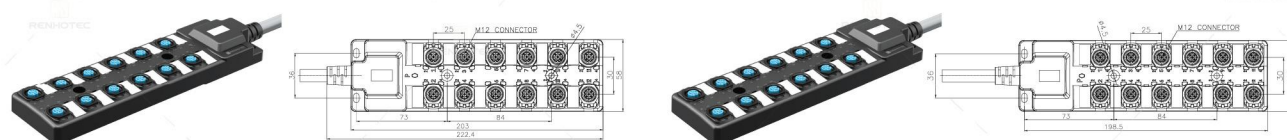


|                      |                               |                              |
|----------------------|-------------------------------|------------------------------|
| Sheath color         | GRAY                          | GRAY                         |
| PVC flexible cable   | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.5+20*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.5+20*0.34mm <sup>2</sup> |

## Part Number

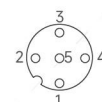
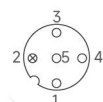
| Type              | Cable sheath         | 10 Ports/Single channel    | 10 Ports/Dual channel      |
|-------------------|----------------------|----------------------------|----------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M12-10C1L-N-X-312GY | RHT-TB-M12-10C2L-N-X-314GY |
|                   | PUR drag chain cable | RHT-TB-M12-10C1L-N-X-313GY | RHT-TB-M12-10C2L-N-X-315GY |
| PNP               | PVC flexible cable   | RHT-TB-M12-10C1L-P-X-312GY | RHT-TB-M12-10C2L-P-X-314GY |
|                   | PUR drag chain cable | RHT-TB-M12-10C1L-P-X-313GY | RHT-TB-M12-10C2L-P-X-315GY |
| Without component | PVC flexible cable   | RHT-TB-M12-10C1L-W-X-312GY | RHT-TB-M12-10C2L-W-X-314GY |
|                   | PUR drag chain cable | RHT-TB-M12-10C1L-W-X-313GY | RHT-TB-M12-10C2L-W-X-315GY |

# M12 Distributor 12 Ports, With Cable, Halogen-Free Cable



## Specification

Insert arrangement (M12 Female)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

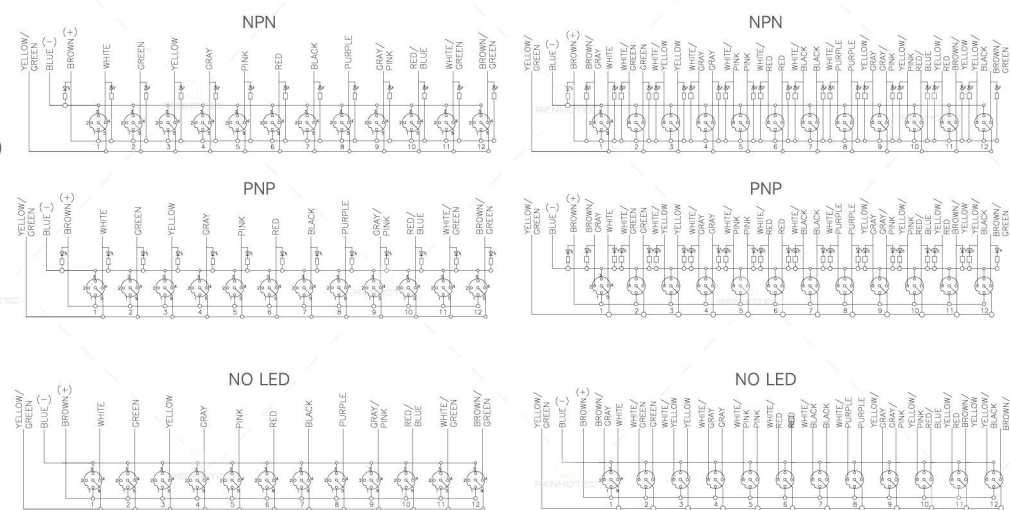
Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)



|                      |                               |                               |
|----------------------|-------------------------------|-------------------------------|
| Sheath color         | GRAY                          | GRAY                          |
| PVC flexible cable   | 3*0.75+12*0.34mm <sup>2</sup> | 3*0.75+24*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+12*0.34mm <sup>2</sup> | 3*0.75+24*0.34mm <sup>2</sup> |

## Part Number

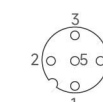
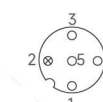
| Type              | Cable sheath         | 12 Ports/Single channel    | 12 Ports/Dual channel      |
|-------------------|----------------------|----------------------------|----------------------------|
| NPN               | PVC flexible cable   | RHT-TB-M12-12C1L-N-X-308GY | RHT-TB-M12-12C2L-N-X-316GY |
|                   | PUR drag chain cable | RHT-TB-M12-12C1L-N-X-309GY | RHT-TB-M12-12C2L-N-X-317GY |
| PNP               | PVC flexible cable   | RHT-TB-M12-12C1L-P-X-308GY | RHT-TB-M12-12C2L-P-X-316GY |
|                   | PUR drag chain cable | RHT-TB-M12-12C1L-P-X-309GY | RHT-TB-M12-12C2L-P-X-317GY |
| Without component | PVC flexible cable   | RHT-TB-M12-12C1L-W-X-308GY | RHT-TB-M12-12C2L-W-X-316GY |
|                   | PUR drag chain cable | RHT-TB-M12-12C1L-W-X-309GY | RHT-TB-M12-12C2L-W-X-317GY |

# M12 Distributor 4 Ports, PCB Interface

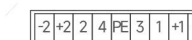
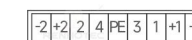


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

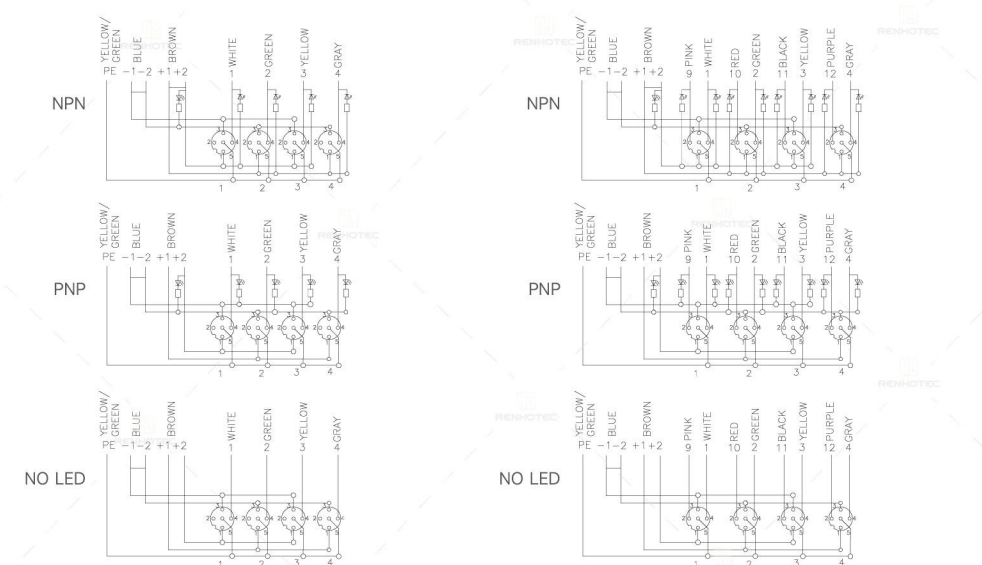
Dual channel  
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)



## Part Number

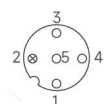
| Type              | 4 Ports/Single channel | 4 Ports/Dual channel  |
|-------------------|------------------------|-----------------------|
| NPN               | RHT-TB-M12-4C1L-N-PCB  | RHT-TB-M12-4C2L-N-PCB |
| PNP               | RHT-TB-M12-4C1L-P-PCB  | RHT-TB-M12-4C2L-P-PCB |
| Without component | RHT-TB-M12-4C1L-W-PCB  | RHT-TB-M12-4C2L-W-PCB |

# M12 Distributor 4 Ports, PCB Interface with Junction Box

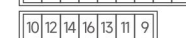
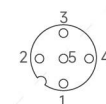


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

Dual channel

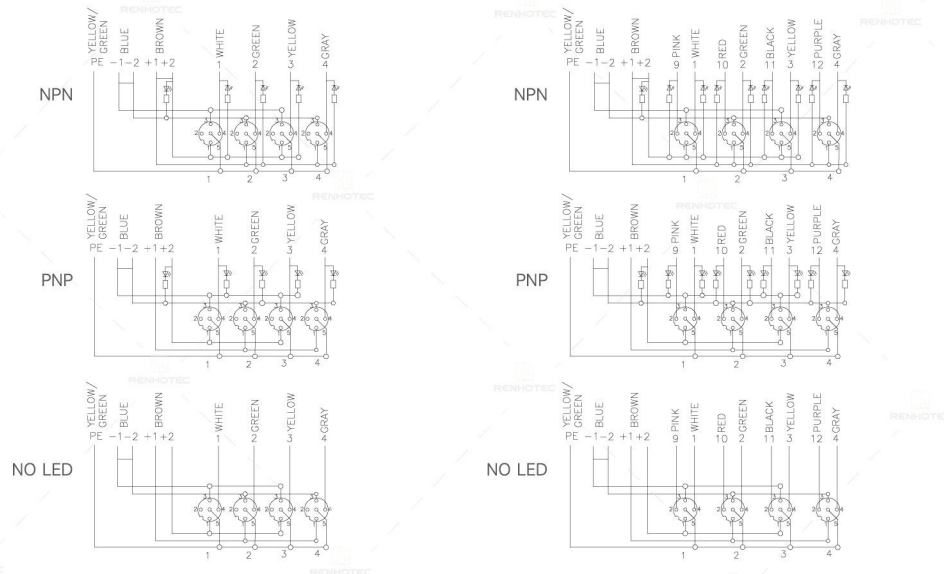
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)



## Part Number

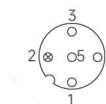
|                   |                        |                        |
|-------------------|------------------------|------------------------|
| Type              | 4 Ports/Single channel | 4 Ports/Dual channel   |
| NPN               | RHT-TB-M12-4C1L-N-PCB1 | RHT-TB-M12-4C2L-N-PCB1 |
| PNP               | RHT-TB-M12-4C1L-P-PCB1 | RHT-TB-M12-4C2L-P-PCB1 |
| Without component | RHT-TB-M12-4C1L-W-PCB1 | RHT-TB-M12-4C2L-W-PCB1 |

# M12 Distributor 6 Ports, PCB Interface

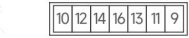
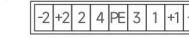
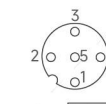
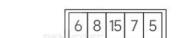


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

Dual channel

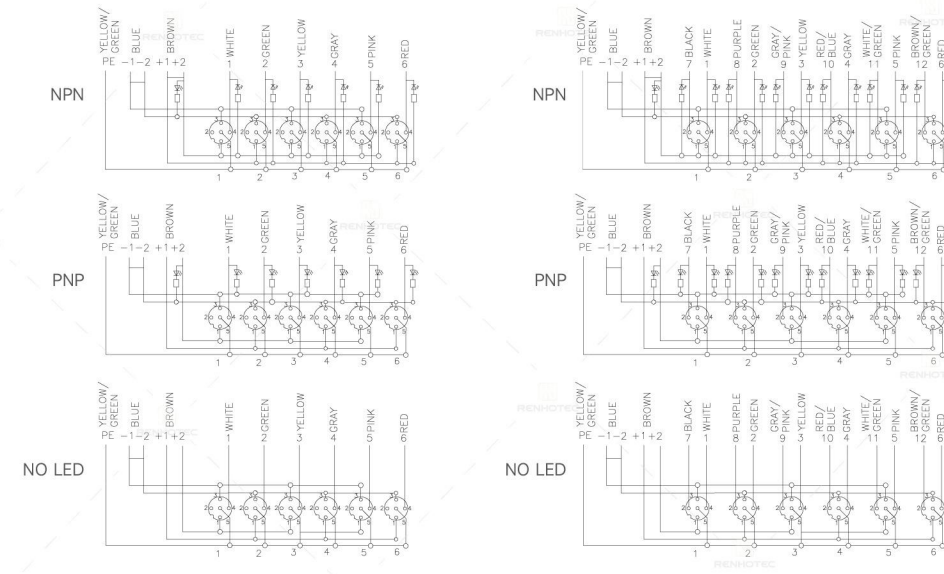
Pin 1: (+) Pin 2: (S2) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE

### LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)

Dual channel  
Power supply (green)  
Signal S1 (yellow)  
Signal S2 (white)

Without component  
Power (none)  
Signal S1 (none)  
Signal S2 (none)



## Part Number

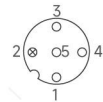
|                   |                        |                       |
|-------------------|------------------------|-----------------------|
| Type              | 6 Ports/Single channel | 6 Ports/Dual channel  |
| NPN               | RHT-TB-M12-6C1L-N-PCB  | RHT-TB-M12-6C2L-N-PCB |
| PNP               | RHT-TB-M12-6C1L-P-PCB  | RHT-TB-M12-6C2L-P-PCB |
| Without component | RHT-TB-M12-6C1L-W-PCB  | RHT-TB-M12-6C2L-W-PCB |

# M12 Distributor 6 Ports, PCB Interface with Junction Box



## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

Dual channel

Pin 1: (+) Pin 2: (S2) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

LED display

Single channel

Power supply (green)

Signal S1 (yellow)

Dual channel

Power supply (green)

Signal S1 (yellow)

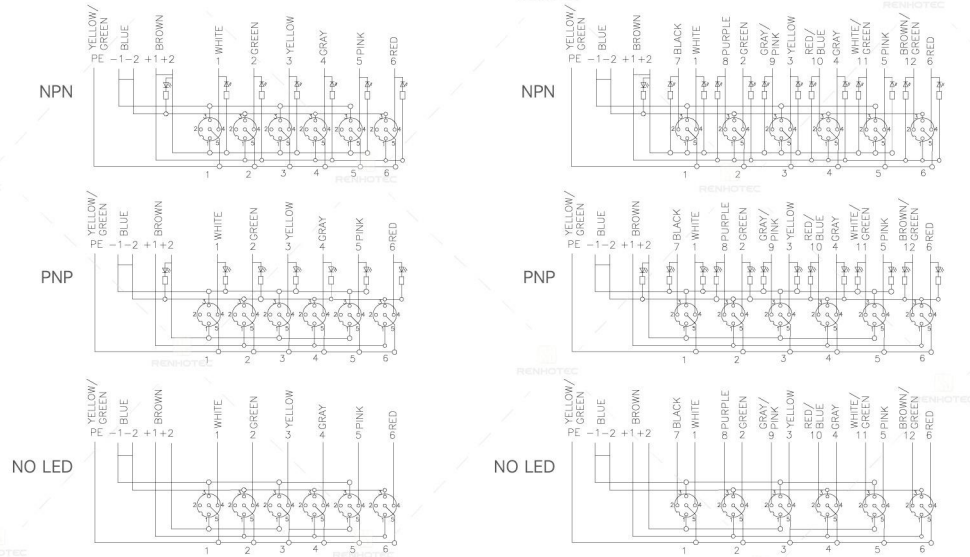
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)



## Part Number

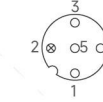
|                   |                        |                        |
|-------------------|------------------------|------------------------|
| Type              | 6 Ports/Single channel | 6 Ports/Dual channel   |
| NPN               | RHT-TB-M12-6C1L-N-PCB1 | RHT-TB-M12-6C2L-N-PCB1 |
| PNP               | RHT-TB-M12-6C1L-P-PCB1 | RHT-TB-M12-6C2L-P-PCB1 |
| Without component | RHT-TB-M12-6C1L-W-PCB1 | RHT-TB-M12-6C2L-W-PCB1 |

# M12 Distributor 8 Ports, PCB Interface

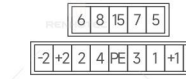


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

Dual channel

Pin 1: (+) Pin 2: (S2) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

LED display

Single channel

Power supply (green)

Signal S1 (yellow)

Dual channel

Power supply (green)

Signal S1 (yellow)

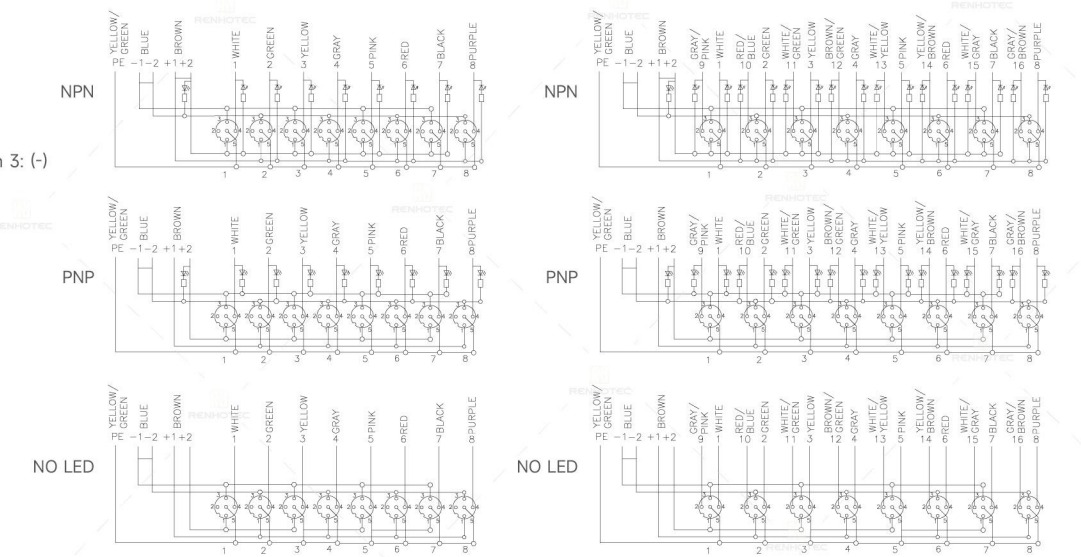
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

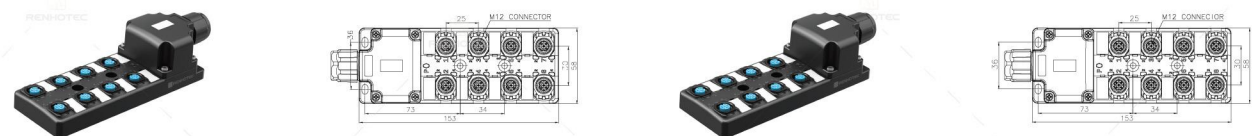
Signal S2 (none)



## Part Number

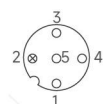
|                   |                        |                       |
|-------------------|------------------------|-----------------------|
| Type              | 8 Ports/Single channel | 8 Ports/Dual channel  |
| NPN               | RHT-TB-M12-8C1L-N-PCB  | RHT-TB-M12-8C2L-N-PCB |
| PNP               | RHT-TB-M12-8C1L-P-PCB  | RHT-TB-M12-8C2L-P-PCB |
| Without component | RHT-TB-M12-8C1L-W-PCB  | RHT-TB-M12-8C2L-W-PCB |

# M12 Distributor 8 Ports, PCB Interface with Junction Box



## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

Dual channel

Pin 1: (+) Pin 2: (S2) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

### LED display

Single channel

Power supply (green)

Signal S1 (yellow)

Dual channel

Power supply (green)

Signal S1 (yellow)

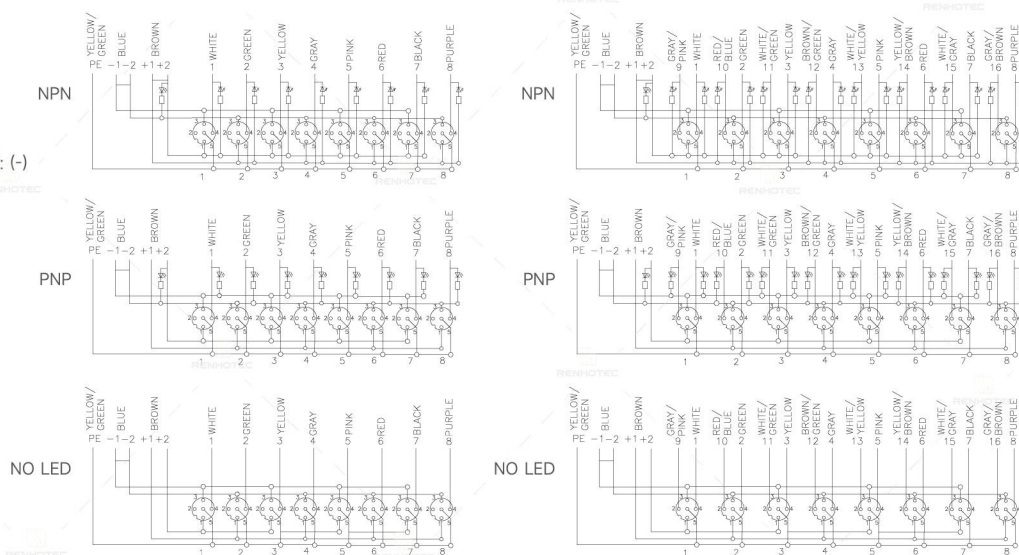
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)



## Part Number

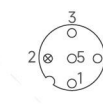
|                   |                        |                        |
|-------------------|------------------------|------------------------|
| Type              | 8 Ports/Single channel | 8 Ports/Dual channel   |
| NPN               | RHT-TB-M12-8C1L-N-PCB1 | RHT-TB-M12-8C2L-N-PCB1 |
| PNP               | RHT-TB-M12-8C1L-P-PCB1 | RHT-TB-M12-8C2L-P-PCB1 |
| Without component | RHT-TB-M12-8C1L-W-PCB1 | RHT-TB-M12-8C2L-W-PCB1 |

# M12 Distributor 10/12 Ports, PCB Interface

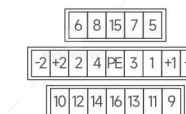


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)



|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

### Pin definition

Single channel

Pin 1: (+) Pin 3: (-)

Pin 4: (S1) Pin 5: PE

### LED display

Single channel

Power supply (green)

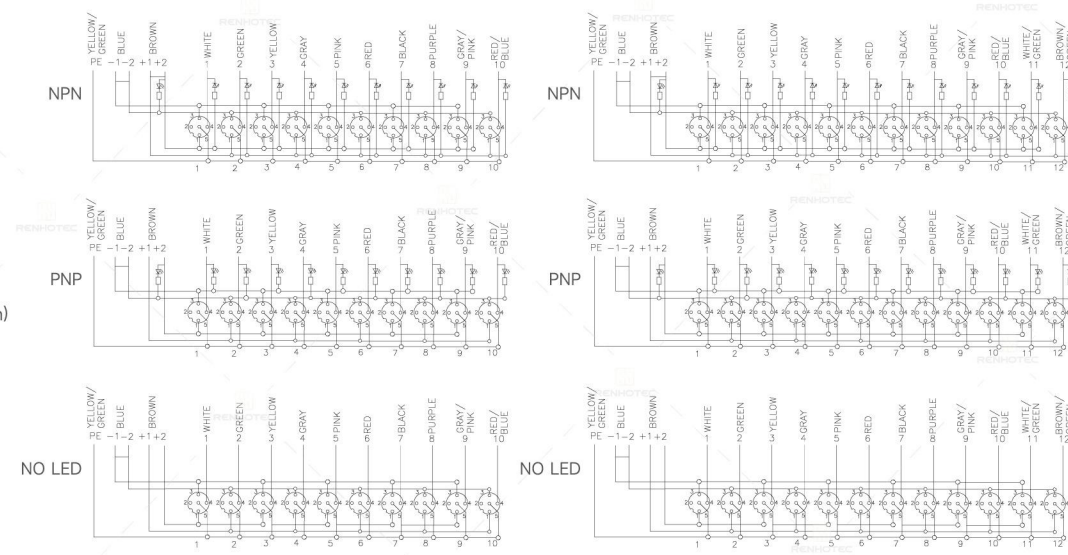
Signal S1 (yellow)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)



## Part Number

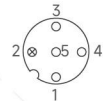
|                   |                         |                         |
|-------------------|-------------------------|-------------------------|
| Type              | 10 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M12-10C1L-N-PCB  | RHT-TB-M12-12C1L-N-PCB  |
| PNP               | RHT-TB-M12-10C1L-P-PCB  | RHT-TB-M12-12C1L-P-PCB  |
| Without component | RHT-TB-M12-10C1L-W-PCB  | RHT-TB-M12-12C1L-W-PCB  |

# M12 Distributor 10/12 Ports, PCB Interface with Junction Box

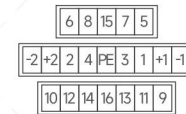
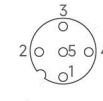


## Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)

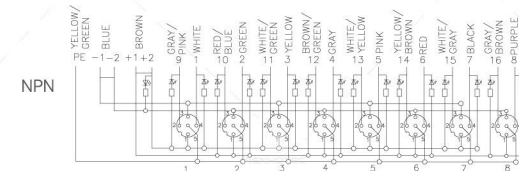
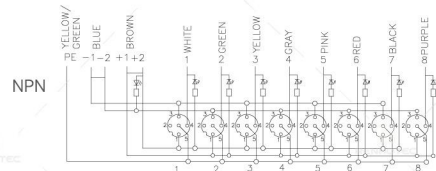


|                             |                                |                                |
|-----------------------------|--------------------------------|--------------------------------|
| Rated power supply Ue       | 24V DC/AC                      | 24V DC/AC                      |
| Rated working voltage Ub    | 18...30V DC                    | 18...30V DC                    |
| Current load capacity (A)   | 4A                             | 4A                             |
| Total current (A)           | 6A                             | 6A                             |
| Power start Indicator light | Green LED Indicator            | Green LED Indicator            |
| Enclosure protection grade  | IP67 (when properly connected) | IP67 (when properly connected) |

## Circuit Diagram

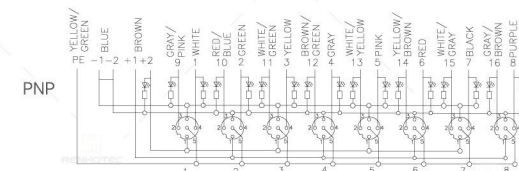
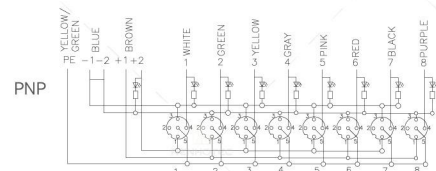
Pin definition

Single channel  
Pin 1: (+) Pin 3: (-)  
Pin 4: (S1) Pin 5: PE



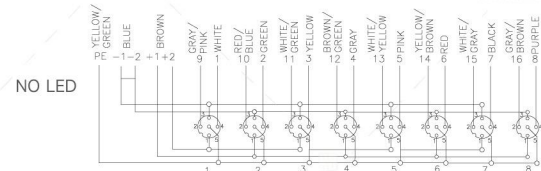
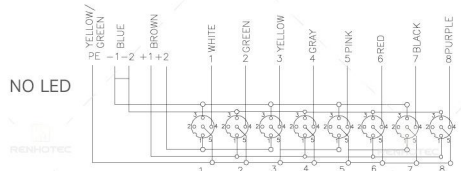
LED display

Single channel  
Power supply (green)  
Signal S1 (yellow)



Without component

Power (none)  
Signal S1 (none)  
Signal S2 (none)



## Part Number

|                   |                         |                         |
|-------------------|-------------------------|-------------------------|
| Type              | 10 Ports/Single channel | 12 Ports/Single channel |
| NPN               | RHT-TB-M12-10C1L-N-PCB1 | RHT-TB-M12-12C1L-N-PCB1 |
| PNP               | RHT-TB-M12-10C1L-P-PCB1 | RHT-TB-M12-12C1L-P-PCB1 |
| Without component | RHT-TB-M12-10C1L-W-PCB1 | RHT-TB-M12-12C1L-W-PCB1 |

# M12 Distributor 4 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



## Part Number

|          |     |                               |                                |
|----------|-----|-------------------------------|--------------------------------|
| Type     |     | 4 Ports/Single channel        | 4 Ports/Dual channel           |
| Straight | PVC | RHT-M12-4C1L-FS-M237P-X-333GY | RHT-M12-4C2L-FS-M2311P-X-362GY |
|          | PUR | RHT-M12-4C1L-FS-M237P-X-334GY | RHT-M12-4C2L-FS-M2311P-X-448GY |
| Angled   | PVC | RHT-M12-4C1L-FR-M237P-X-333GY | RHT-M12-4C2L-FR-M2311P-X-362GY |
|          | PUR | RHT-M12-4C1L-FR-M237P-X-334GY | RHT-M12-4C2L-FR-M2311P-X-448GY |

## Circuit Diagram



|                      |                             |                              |
|----------------------|-----------------------------|------------------------------|
| Sheath color         | GRAY                        | GRAY                         |
| PVC flexible cable   | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |

# M12 Distributor 6 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



### Part Number

| Type     |     | 6 Ports/Single channel        | 6 Ports/Dual channel           |
|----------|-----|-------------------------------|--------------------------------|
| Straight | PVC | RHT-M12-6C1L-FS-M239P-X-310GY | RHT-M12-6C2L-FS-M2315P-X-308GY |
|          | PUR | RHT-M12-6C1L-FS-M239P-X-311GY | RHT-M12-6C2L-FS-M2315P-X-309GY |
| Angled   | PVC | RHT-M12-6C1L-FR-M239P-X-310GY | RHT-M12-6C2L-FR-M2315P-X-308GY |
|          | PUR | RHT-M12-6C1L-FR-M239P-X-311GY | RHT-M12-6C2L-FR-M2315P-X-309GY |

## Circuit Diagram



| Sheath color         | GRAY                        | GRAY                          |
|----------------------|-----------------------------|-------------------------------|
| PVC flexible cable   | 3*0.5+6*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.5+6*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |

# M12 Distributor 8 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



### Part Number

| Type     |     | 8 Ports/Single channel         | 8 Ports/Dual channel           |
|----------|-----|--------------------------------|--------------------------------|
| Straight | PVC | RHT-M12-8C1L-FS-M2311P-X-362GY | RHT-M12-8C2L-FS-M2319P-X-398GY |
|          | PUR | RHT-M12-8C1L-FS-M2311P-X-448GY | RHT-M12-8C2L-FS-M2319P-X-399GY |
| Angled   | PVC | RHT-M12-8C1L-FR-M2311P-X-362GY | RHT-M12-8C2L-FR-M2319P-X-398GY |
|          | PUR | RHT-M12-8C1L-FR-M2311P-X-448GY | RHT-M12-8C2L-FR-M2319P-X-399GY |

## Circuit Diagram



| Sheath color         | GRAY                         | GRAY                          |
|----------------------|------------------------------|-------------------------------|
| PVC flexible cable   | 3*0.75+8*0.34mm <sup>2</sup> | 3*0.75+16*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+8*0.34mm <sup>2</sup> | 3*0.75+16*0.34mm <sup>2</sup> |

# M12 Distributor 10/12 Ports, Cable Accessories, Halogen-Free Cable



## Specification

Insert arrangement (M23 Female)



## Part Number

| Type     |     | 10 Ports/Single channel         | 12 Ports/Single channel         |
|----------|-----|---------------------------------|---------------------------------|
| Straight | PVC | RHT-M12-10C1L-FS-M2313P-X-312GY | RHT-M12-12C1L-FS-M2315P-X-308GY |
|          | PUR | RHT-M12-10C1L-FS-M2313P-X-313GY | RHT-M12-12C1L-FS-M2315P-X-309GY |
| Angled   | PVC | RHT-M12-10C1L-FR-M2313P-X-312GY | RHT-M12-12C1L-FR-M2315P-X-308GY |
|          | PUR | RHT-M12-10C1L-FR-M2313P-X-313GY | RHT-M12-12C1L-FR-M2315P-X-309GY |

## Circuit Diagram



| Sheath color         | GRAY                          | GRAY                          |
|----------------------|-------------------------------|-------------------------------|
| PVC flexible cable   | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |

# M12 Distributor 4 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

Insert arrangement (PCB)



## Part Number

| Type | 4 Ports/Single channel        | 4 Ports/Dual channel           |
|------|-------------------------------|--------------------------------|
| PVC  | RHT-M12-4C1L-FR-PCB7P-X-333GY | RHT-M12-4C2L-FR-PCB11P-X-362GY |
| PUR  | RHT-M12-4C1L-FR-PCB7P-X-334GY | RHT-M12-4C2L-FR-PCB11P-X-448GY |

## Circuit Diagram



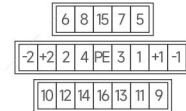
| Sheath color         | GRAY                        | GRAY                         |
|----------------------|-----------------------------|------------------------------|
| PVC flexible cable   | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.5+4*0.34mm <sup>2</sup> | 3*0.75+8*0.34mm <sup>2</sup> |

# M12 Distributor 6 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

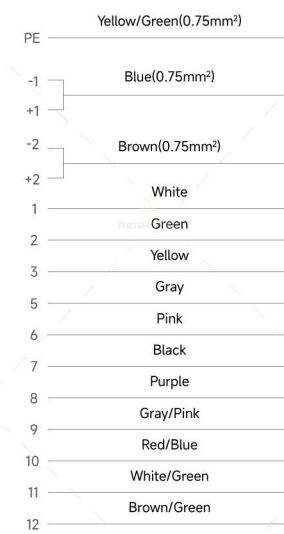
Insert arrangement (PCB)



## Part Number

| Type | 6 Ports/Single channel        | 6 Ports/Dual channel           |
|------|-------------------------------|--------------------------------|
| PVC  | RHT-M12-6C1L-FR-PCB9P-X-310GY | RHT-M12-6C2L-FR-PCB15P-X-308GY |
| PUR  | RHT-M12-6C1L-FR-PCB9P-X-311GY | RHT-M12-6C2L-FR-PCB15P-X-309GY |

## Circuit Diagram



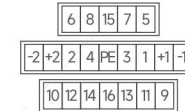
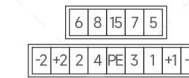
| Sheath color         | GRAY            | GRAY              |
|----------------------|-----------------|-------------------|
| PVC flexible cable   | 3*0.5+6*0.34mm² | 3*0.75+12*0.34mm² |
| PUR drag chain cable | 3*0.5+6*0.34mm² | 3*0.75+12*0.34mm² |

# M12 Distributor 8 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

Insert arrangement (PCB)



## Part Number

| Type | 8 Ports/Single channel         | 8 Ports/Dual channel           |
|------|--------------------------------|--------------------------------|
| PVC  | RHT-M12-8C1L-FR-PCB11P-X-362GY | RHT-M12-8C2L-FR-PCB19P-X-398GY |
| PUR  | RHT-M12-8C1L-FR-PCB11P-X-448GY | RHT-M12-8C2L-FR-PCB19P-X-399GY |

## Circuit Diagram



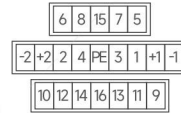
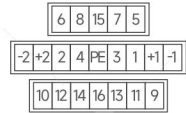
| Sheath color         | GRAY             | GRAY              |
|----------------------|------------------|-------------------|
| PVC flexible cable   | 3*0.75+8*0.34mm² | 3*0.75+16*0.34mm² |
| PUR drag chain cable | 3*0.75+8*0.34mm² | 3*0.75+16*0.34mm² |

# M12 Distributor 10/12 Ports, PCB Terminal Block, Halogen-Free Cable



## Specification

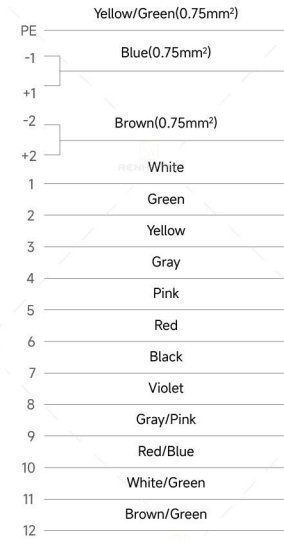
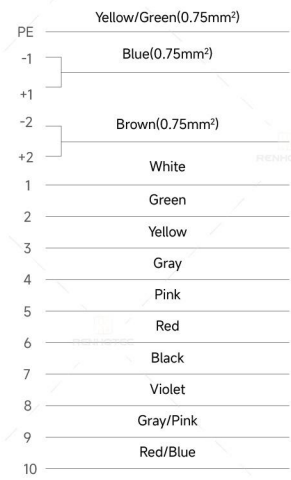
Insert arrangement (PCB)



## Part Number

| Type | 10 Ports/Single channel         | 12 Ports/Single channel         |
|------|---------------------------------|---------------------------------|
| PVC  | RHT-M12-10C1L-FR-PCB13P-X-312GY | RHT-M12-12C1L-FR-PCB15P-X-308GY |
| PUR  | RHT-M12-10C1L-FR-PCB13P-X-313GY | RHT-M12-12C1L-FR-PCB15P-X-309GY |

## Circuit Diagram



|                      |                               |                               |
|----------------------|-------------------------------|-------------------------------|
| Sheath color         | GRAY                          | GRAY                          |
| PVC flexible cable   | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |
| PUR drag chain cable | 3*0.75+10*0.34mm <sup>2</sup> | 3*0.75+12*0.34mm <sup>2</sup> |