



RENHOTEC GROUP LIMITED

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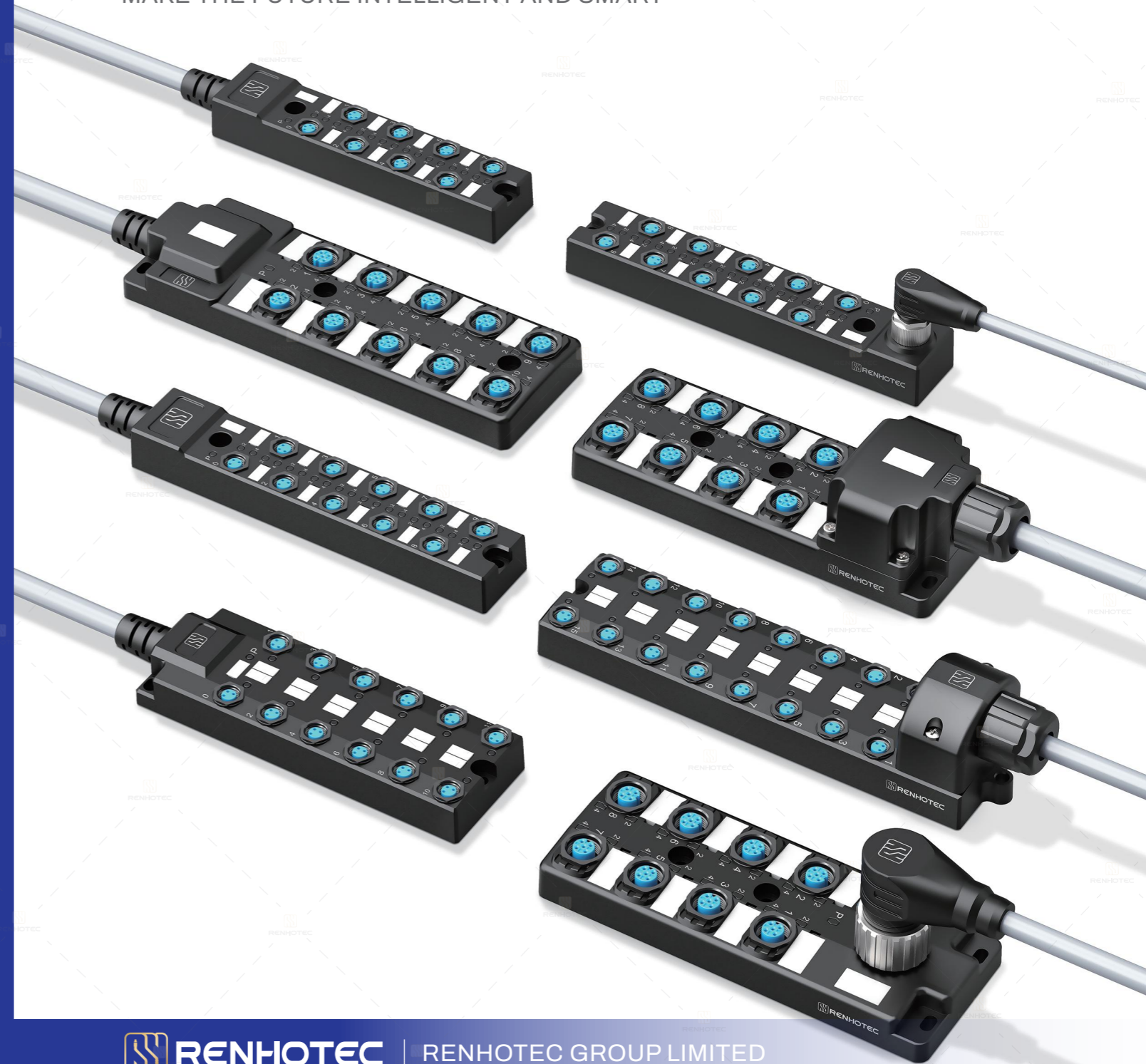
Headquarters(Wuhan): No.555 Wenhua Avenue, Hongshan District, Wuhan 430074, China

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

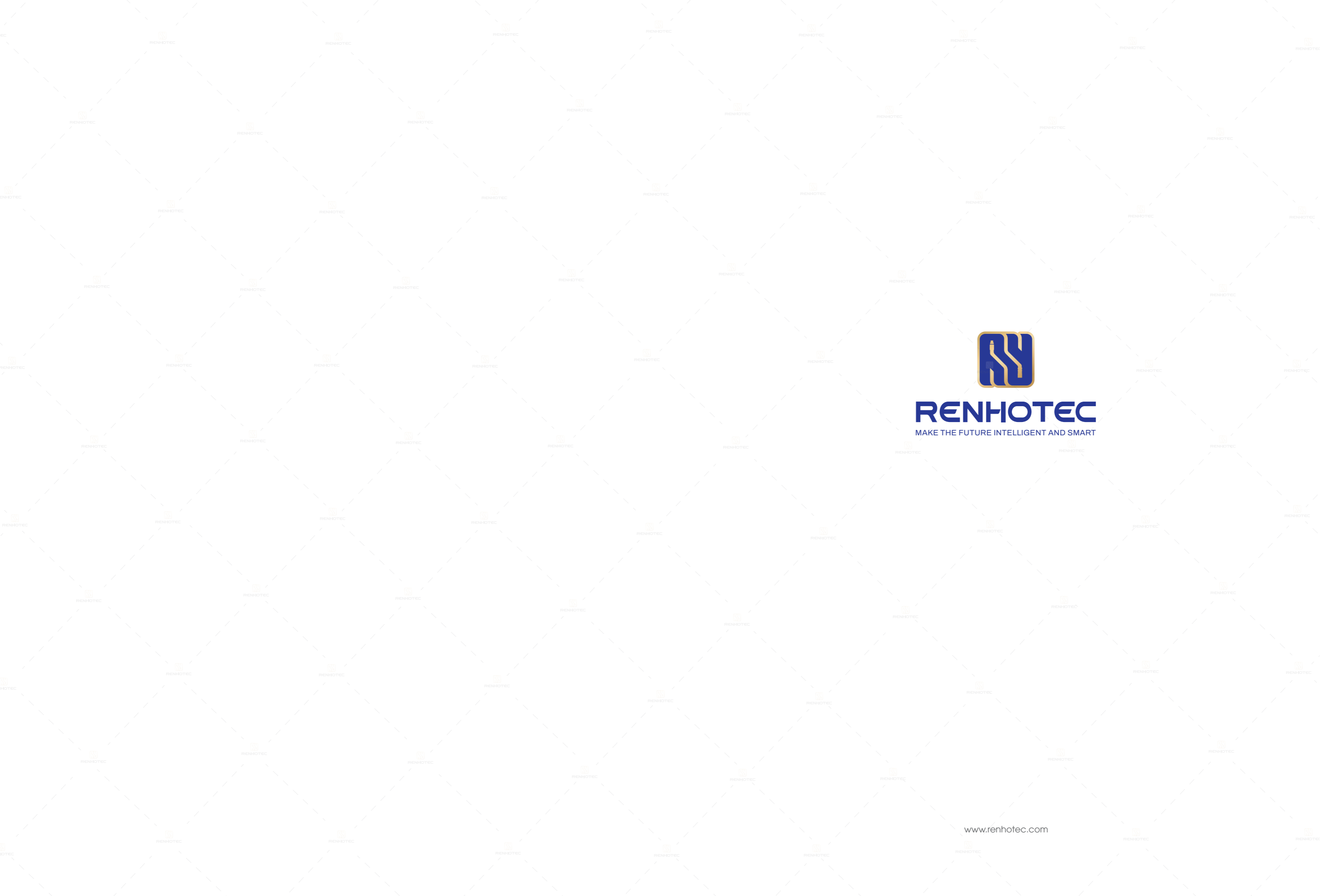
Factory(Jiangmen): Building 5, Wanyang Zhongchuang City, Daze Industrial Park, Jiangmen City, Guangdong Province, China

M SERIES DISTRIBUTOR BOX

MAKE THE FUTURE INTELLIGENT AND SMART



 **RENHOTEC** | RENHOTEC GROUP LIMITED



RENHOTEC

MAKE THE FUTURE INTELLIGENT AND SMART

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ABOUT US

关于我们



20,000 m²
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

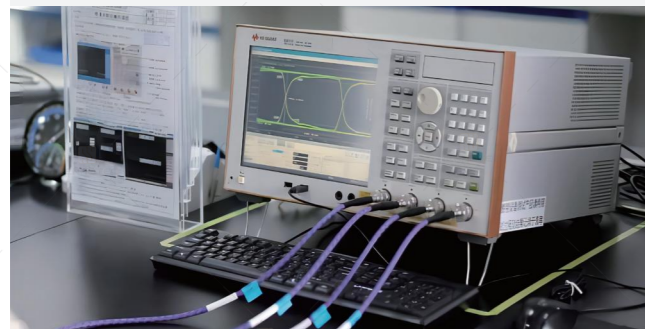


R&d team

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.

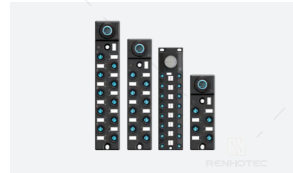


Rail transit

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



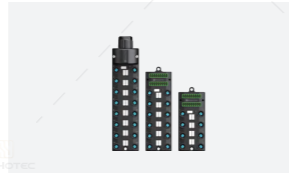
PCB Terminal Block

21P-22P



Pre-cast Line Distribution Box

08P-13P



PCB Interface & with Junction Box

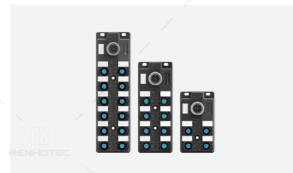
14P-16P



Cable Accessories

17P-20P

M12 Distributor Box



Field-wireable Distribution Box

24P-27P



PCB Terminal Block

45P-48P



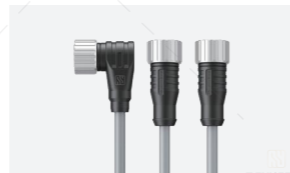
Pre-cast Line Distribution Box

28P-32P



PCB Interface & with Junction Box

33P-40P



Cable Accessories

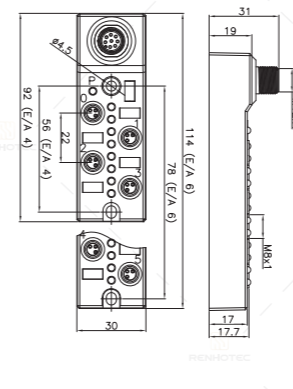
41P-44P

TECHNICAL DATA

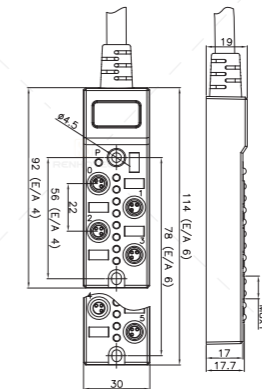
DISTRIBUTION SYSTEMS

M8 Distribution Systems

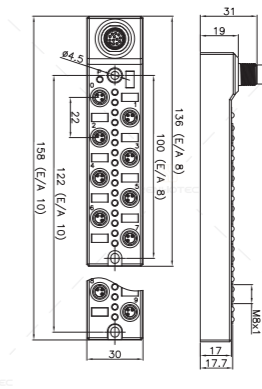
Field-wireable M12 Plug
4/6 Ports



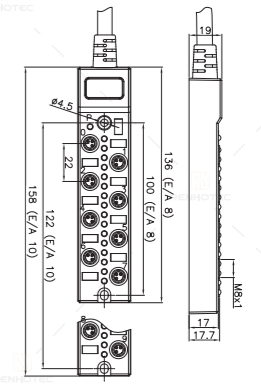
Pre-cast Line
4/6 Ports



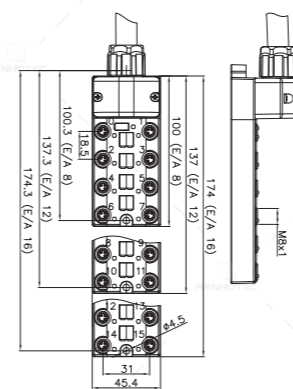
Field-wireable M12 Plug
8/10 Ports



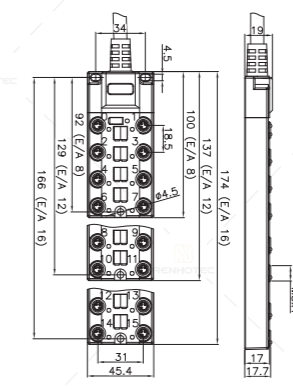
Pre-cast Line
8/10 Ports



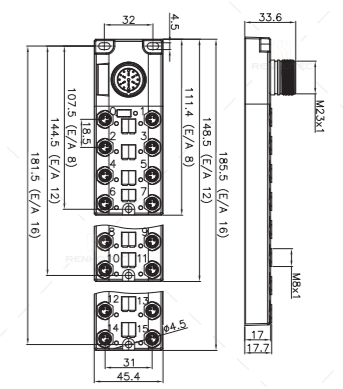
PCB Interface with Junction Box
8/12/16 Ports



Pre-cast Line
8/12/16 Ports

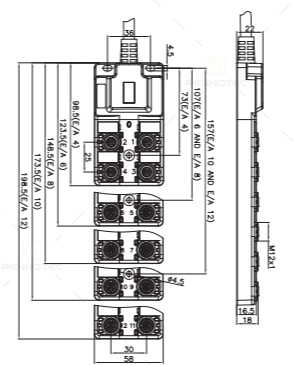


Field-wireable M23 Plug
8/12/16 Ports

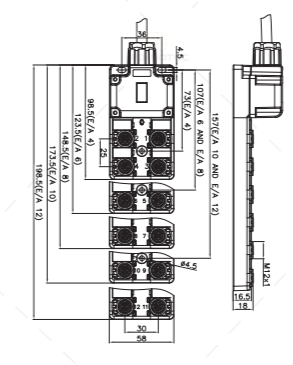


M12 Distribution Systems

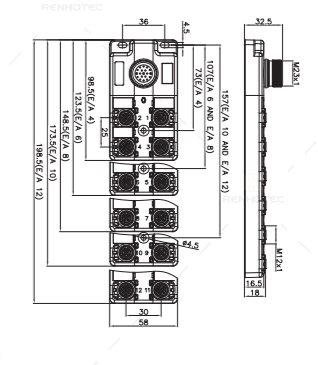
Pre-cast Line
4/6/8/10/12 Ports



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

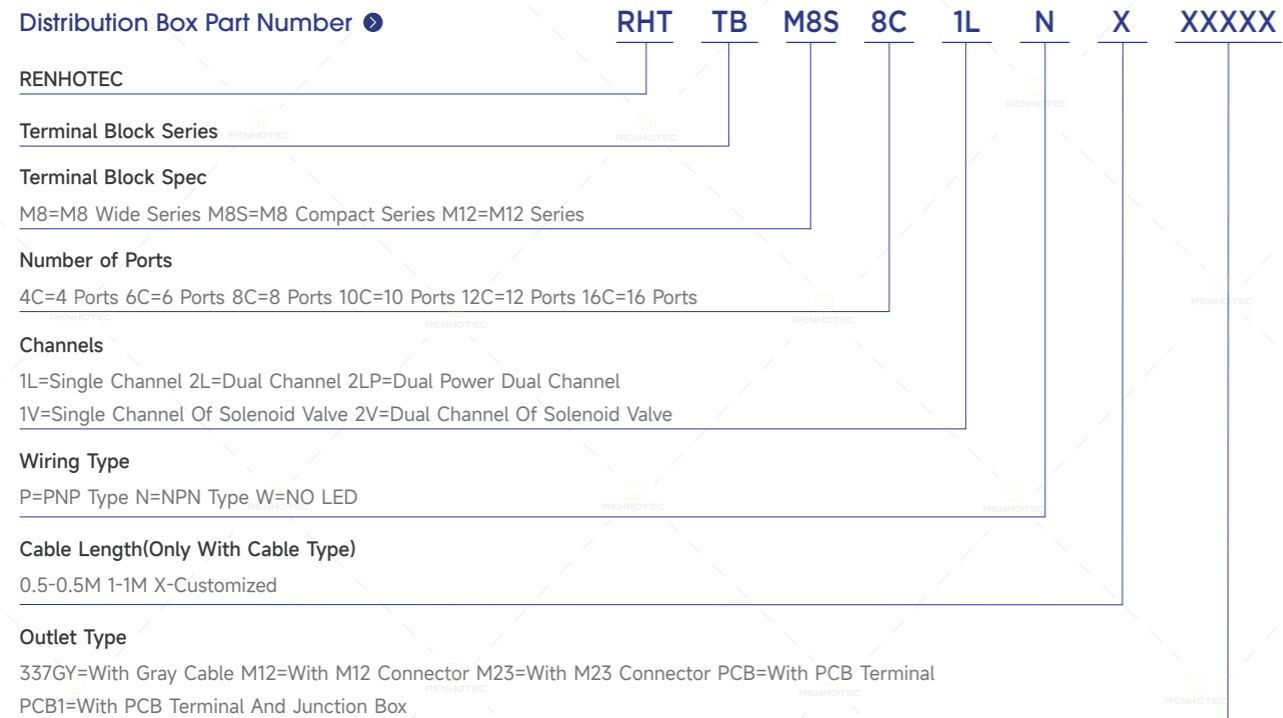


Field-wireable M23 Plug
4/6/8/10/12 Ports

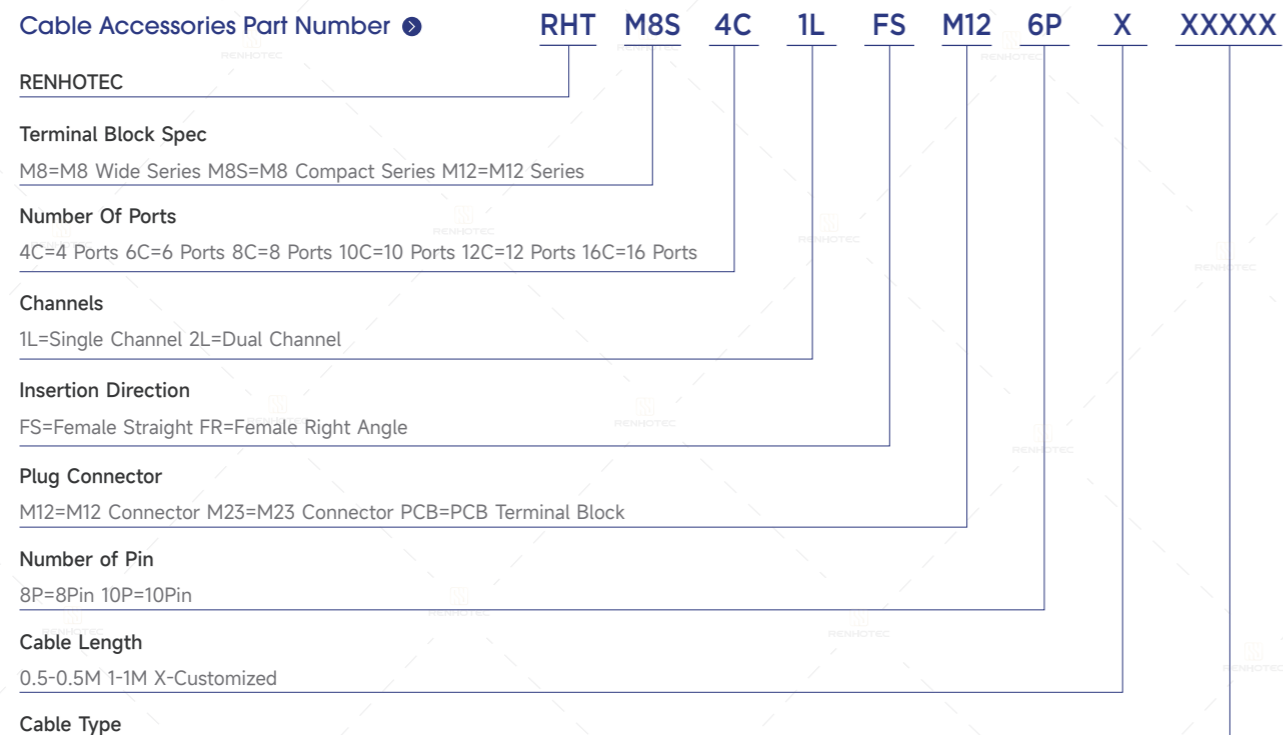


How to Order

Distribution Box Part Number



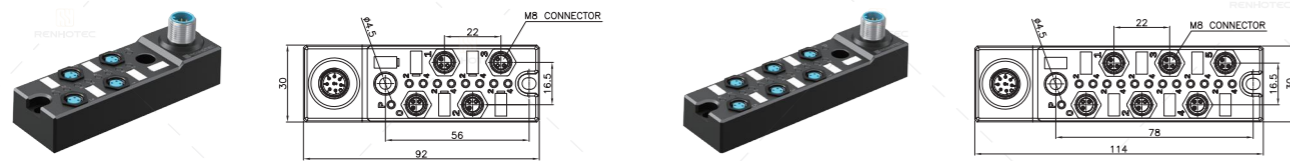
Cable Accessories Part Number



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.

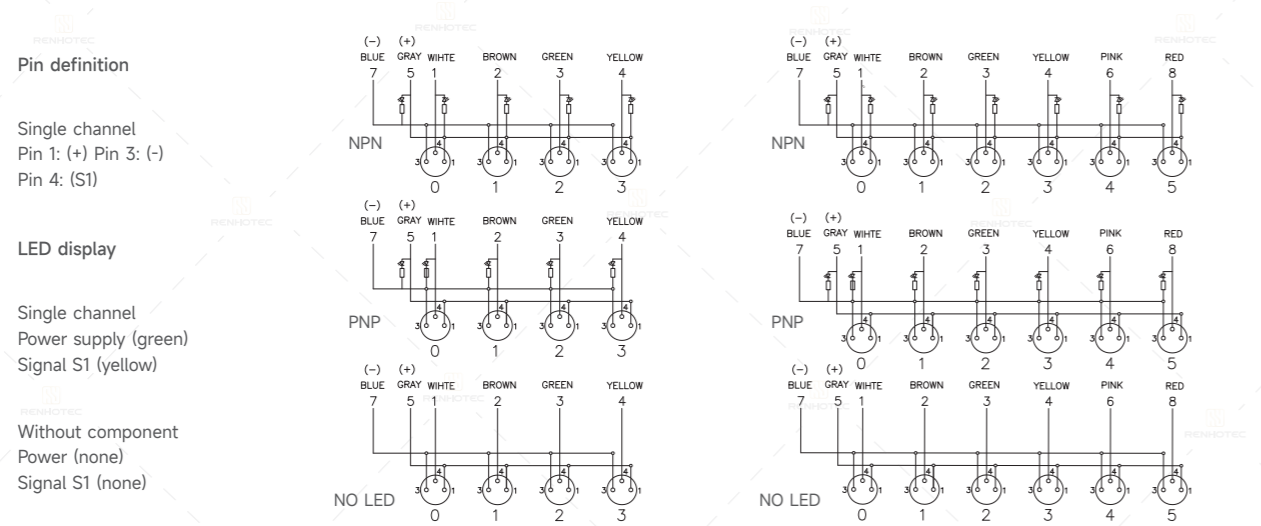
M8 Compact 4/6 Ports, M12 Pre-Assembled Plug



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)

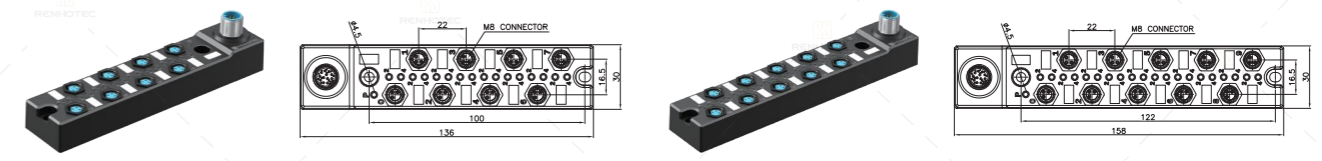
Circuit Diagram



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

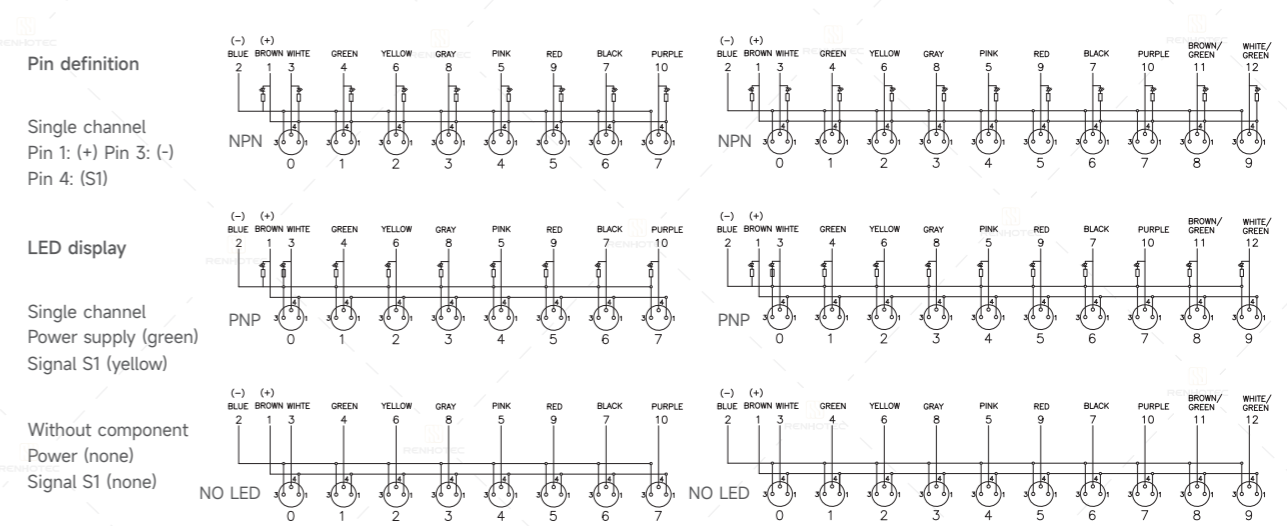
M8 Compact 8/10 Ports, M12 Pre-Assembled Plug



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

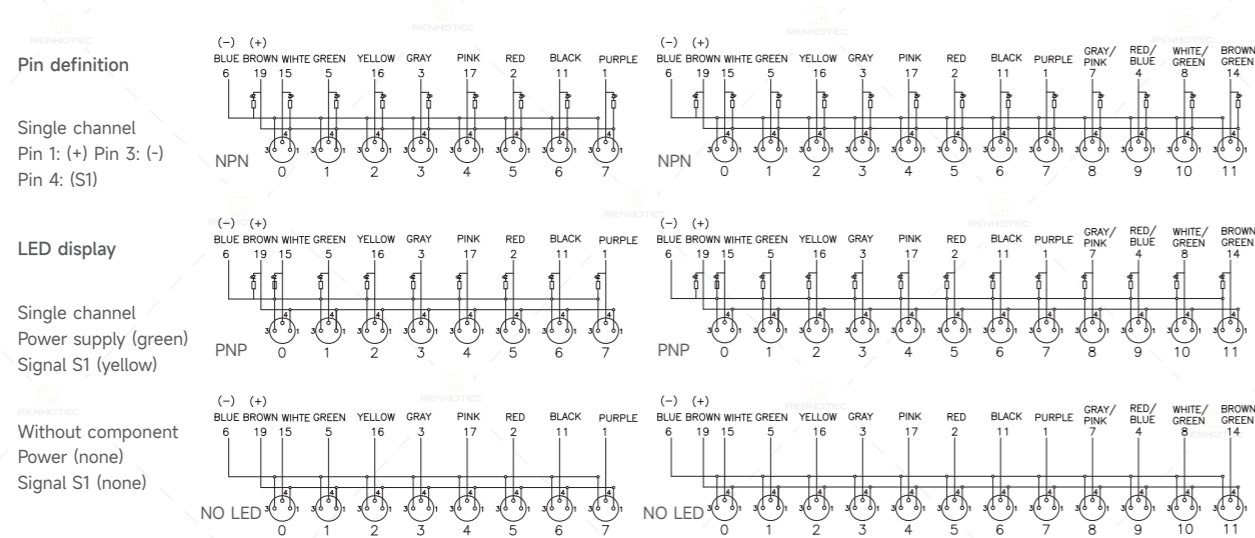
M8 Distributor 8/12 Ports, M23 Pre-Assembled Plug



Specification

Insert arrangement (M8 Female)		
Insert arrangement (M23 Male)		
Rated power supply U_e	24V DC/AC	24V DC/AC
Rated working voltage U_b	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

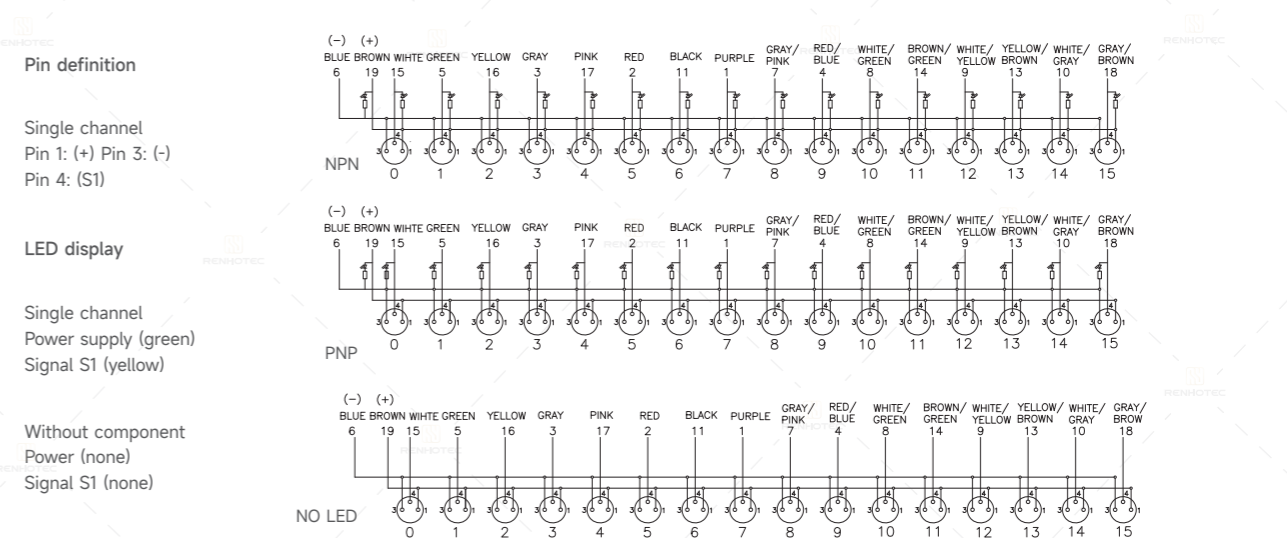
M8 Distributor 16 Ports, M23 Pre-Assembled Plug



Specification

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

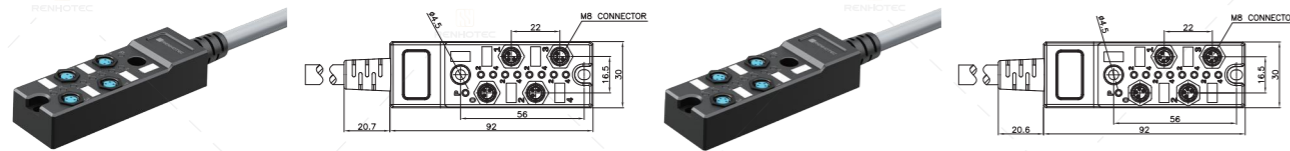
Circuit Diagram



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)	4	2
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)

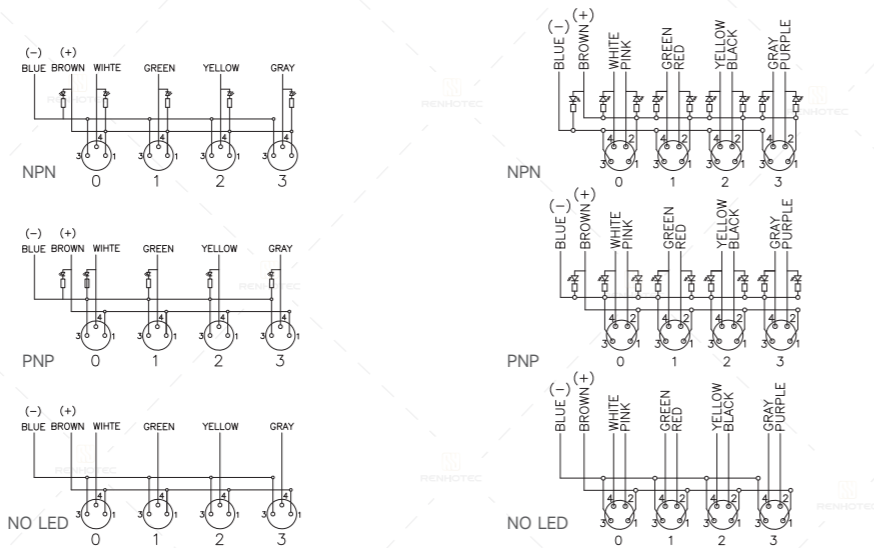
Dual channel
Pin 1: (+) Pin 2: (S2)
Pin 3: (-) Pin 4: (S1)

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)

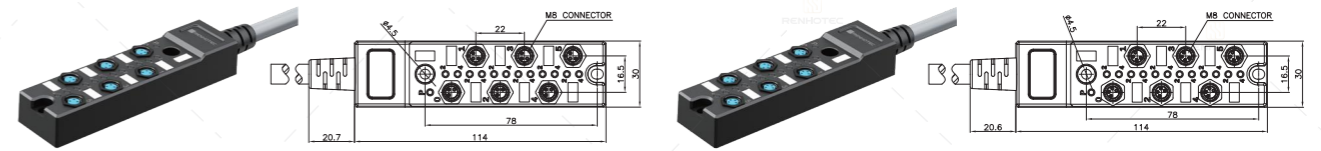


Sheath color	GRAY	GRAY
PVC flexible cable	6*0.25mm ²	10*0.25mm ²
PUR drag chain cable	6*0.25mm ²	10*0.25mm ²

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)	4	2
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)

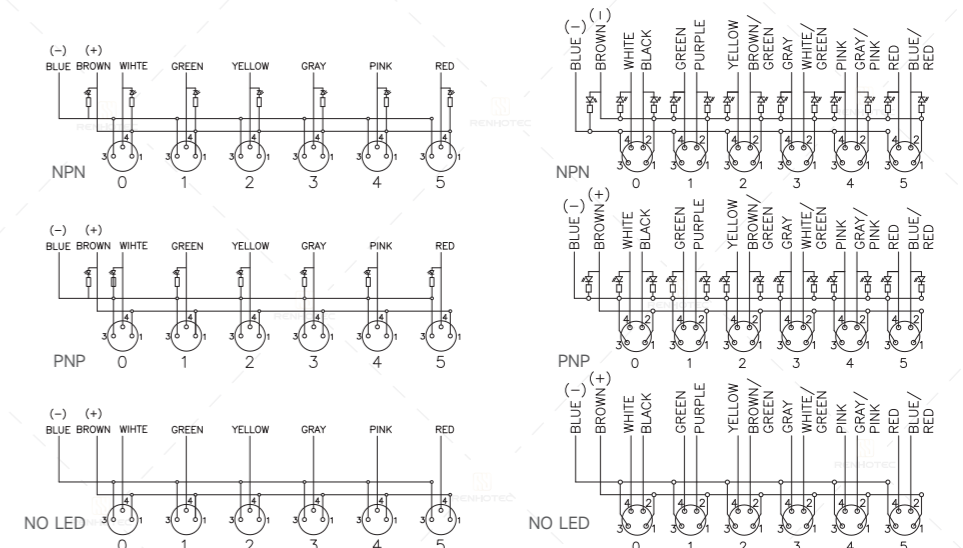
Dual channel
Pin 1: (+) Pin 2: (S2)
Pin 3: (-) Pin 4: (S1)

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)

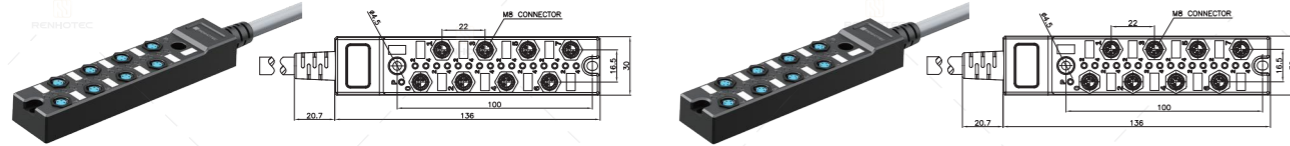


Sheath color	GRAY	GRAY
PVC flexible cable	8*0.25mm ²	14*0.25mm ²
PUR drag chain cable	8*0.25mm ²	14*0.25mm ²

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)



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)

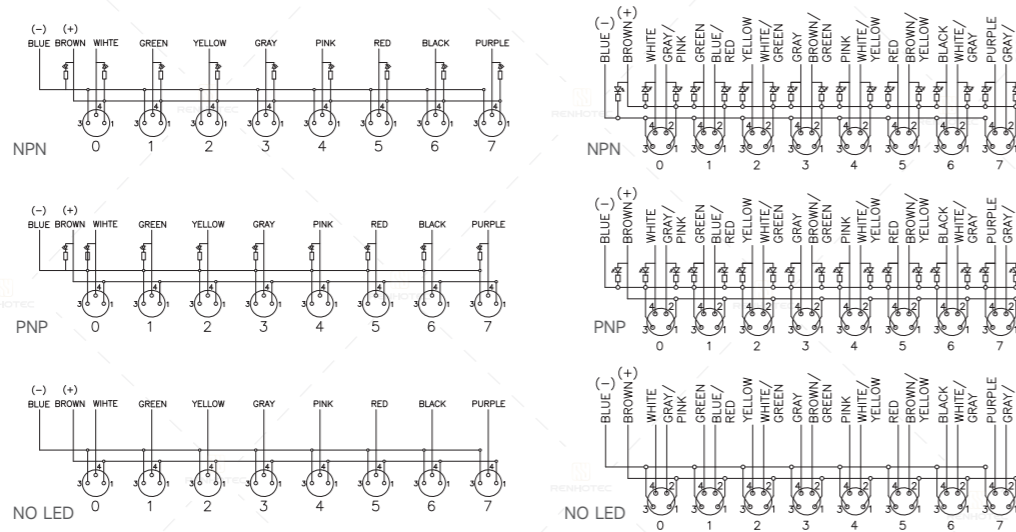
Dual channel
Pin 1: (+) Pin 2: (S2)
Pin 3: (-) Pin 4: (S1)

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)

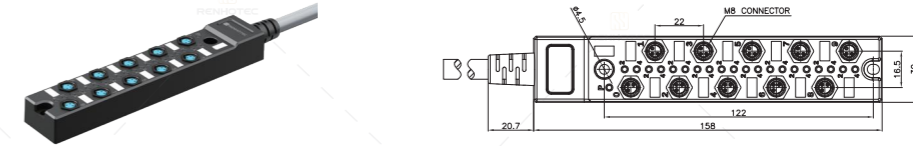


Sheath color	GRAY	GRAY
PVC flexible cable	10*0.25mm ²	18*0.25mm ²
PUR drag chain cable	10*0.25mm ²	18*0.25mm ²

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)



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

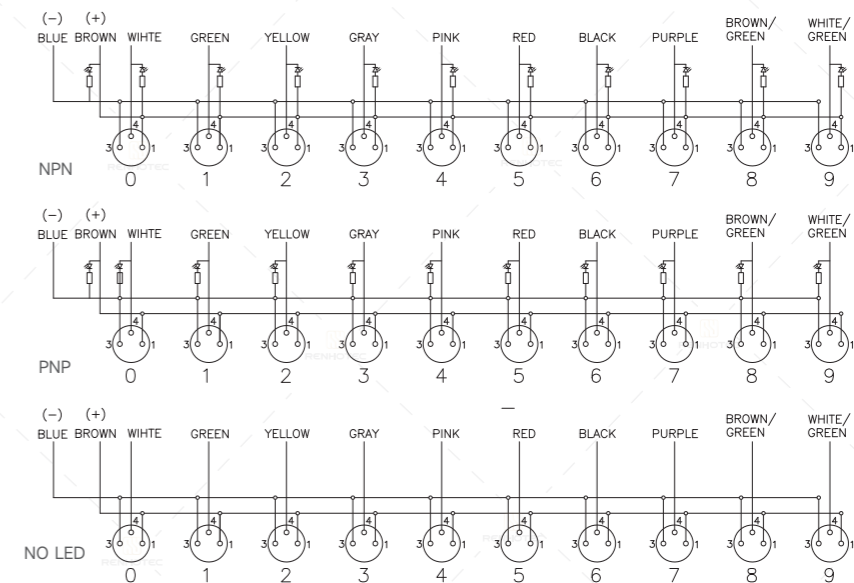
Pin definition

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)

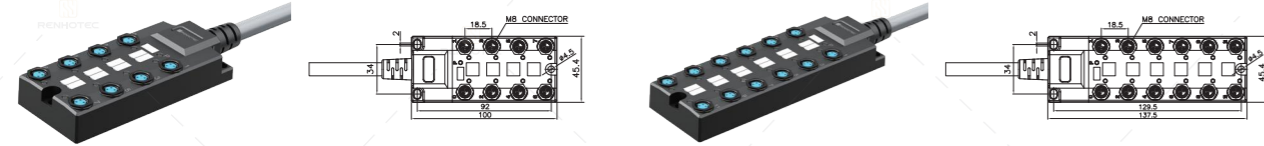


Sheath color	GRAY
PVC flexible cable	12*0.25mm ²
PUR drag chain cable	12*0.25mm ²

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

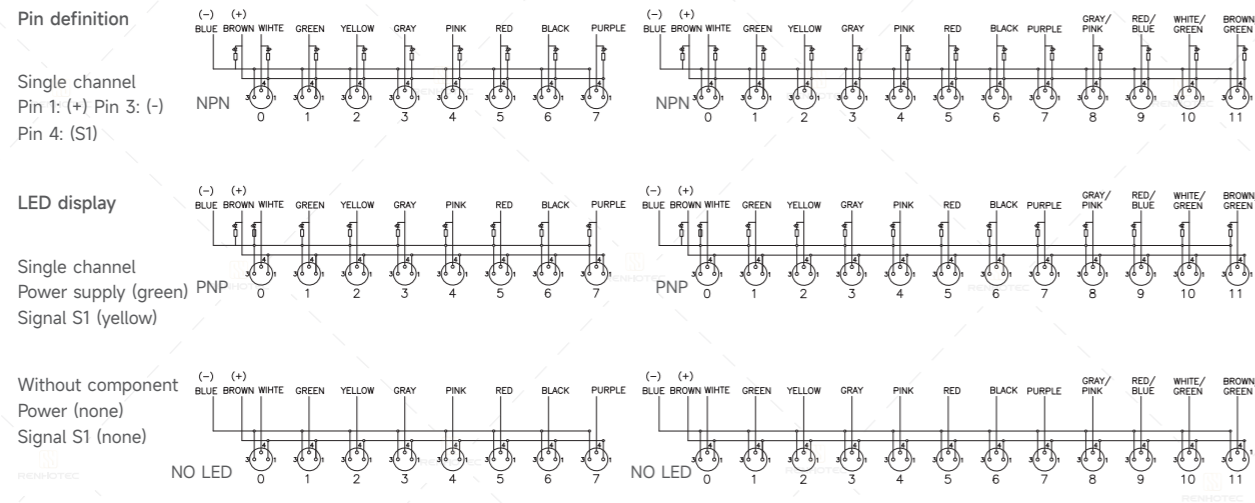
M8 Distributor 8/12 Ports, With Cable, Halogen-Free Cable



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 ²	14*0.25mm ²
PUR drag chain cable	10*0.25mm ²	14*0.25mm ²

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

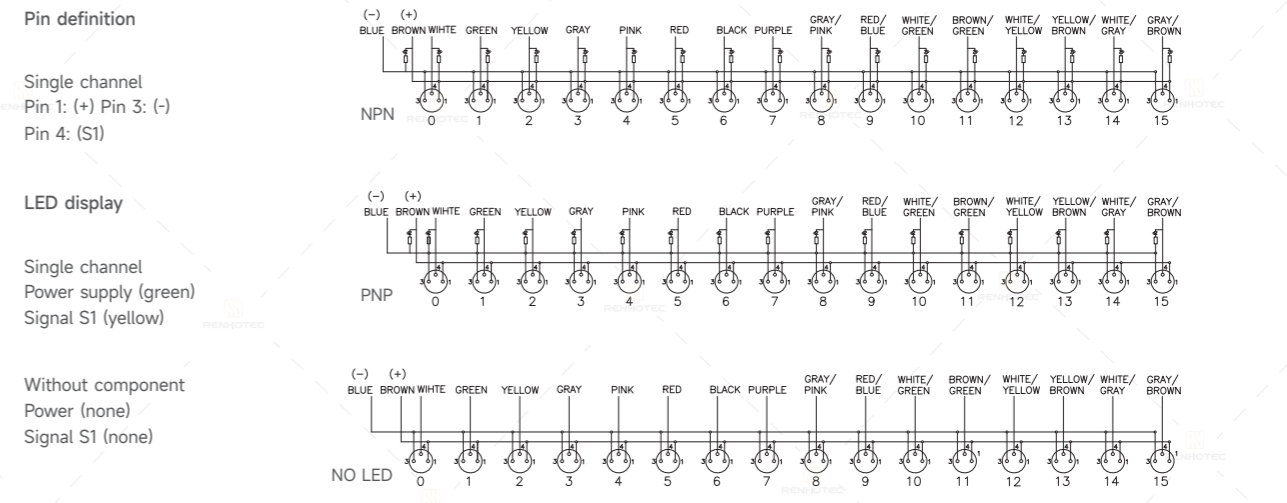
M8 Distributor 16 Ports, With Cable, Halogen-Free Cable



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 ²
PUR drag chain cable	18*0.25mm ²

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

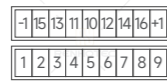


Specification

Insert arrangement (M8 Female)



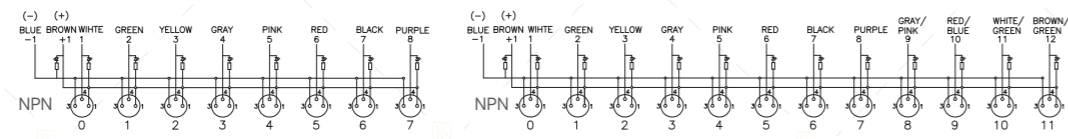
Insert arrangement (PCB)



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)

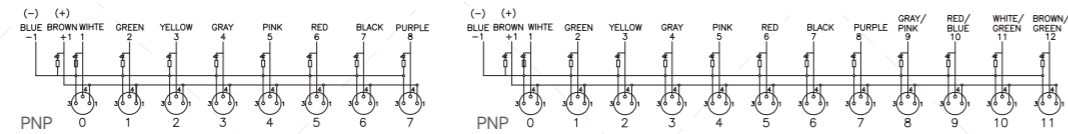
Circuit Diagram

Pin definition



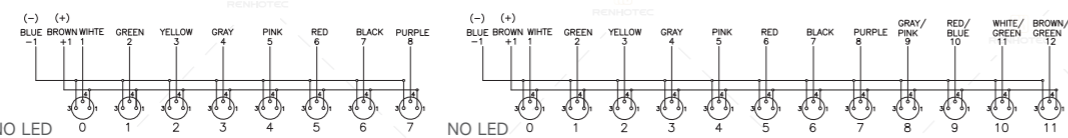
Single channel
Pin 1: (+) Pin 3: (-)
Pin 4: (S1)

LED display



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

Without component
Power (none)
Signal S1 (none)



Part Number

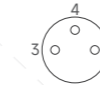
Type	8 Ports/Single channel	12 Ports/Single channel
NPN	RHT-TB-M8-8C1L-N-PCB	RHT-TB-M8-12C1L-N-PCB
PNP	RHT-TB-M8-8C1L-P-PCB	RHT-TB-M8-12C1L-P-PCB
Without component	RHT-TB-M8-8C1L-W-PCB	RHT-TB-M8-12C1L-W-PCB

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

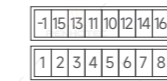


Specification

Insert arrangement (M8 Female)



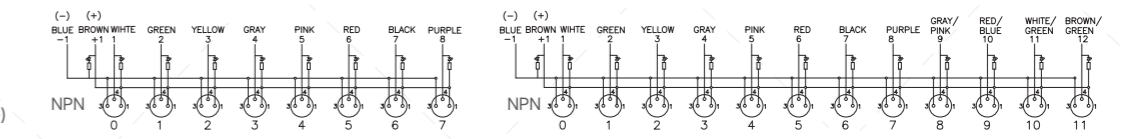
Insert arrangement (PCB)



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)

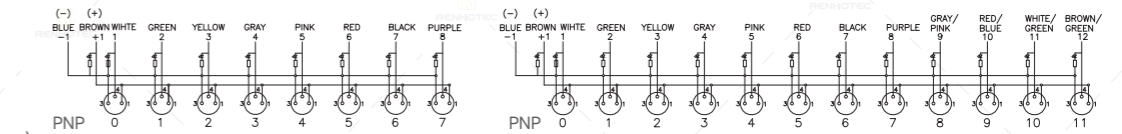
Circuit Diagram

Pin definition



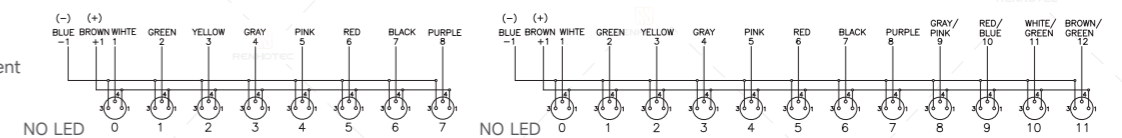
Single channel
Pin 1: (+) Pin 3: (-)
Pin 4: (S1)

LED display



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

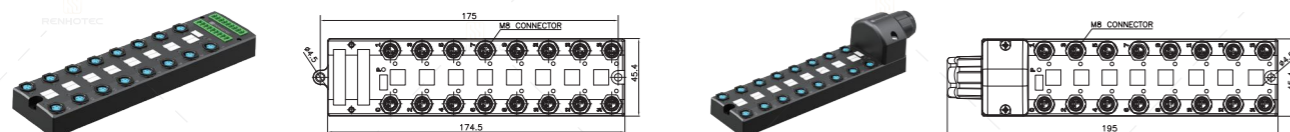
Without component
Power (none)
Signal S1 (none)



Part Number

Type	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

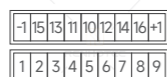


Specification

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

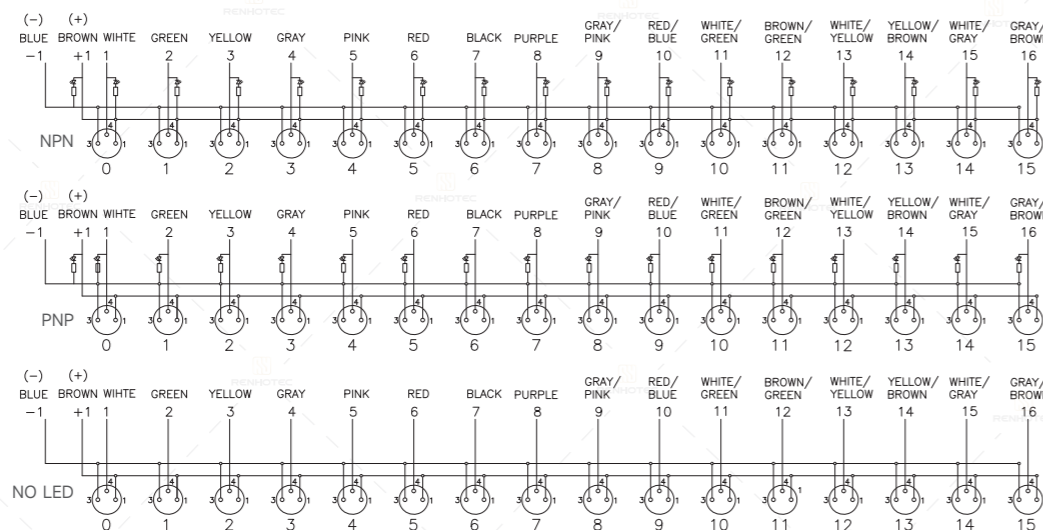
Pin definition

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

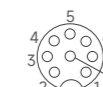
Type	16 Ports/Single channel	16 Ports/Single channel
NPN	RHT-TB-M8-16C1L-N-PCB	RHT-TB-M8-16C1L-N-PCB1
PNP	RHT-TB-M8-16C1L-P-PCB	RHT-TB-M8-16C1L-P-PCB1
Without component	RHT-TB-M8-16C1L-W-PCB	RHT-TB-M8-16C1L-W-PCB1

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



Specification

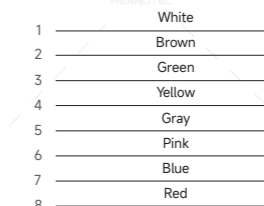
Insert arrangement (M12 Female)



Part Number

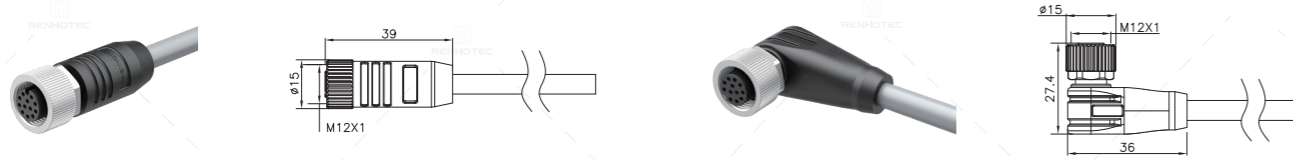
Type		4 Ports/Single channel	6 Ports/Single channel
Straight	PVC	RHT-M8S-4C1L-FS-M126P-X-337GY	RHT-M8S-6C1L-FS-M128P-X-302GY
	PUR	RHT-M8S-4C1L-FS-M126P-X-301GY	RHT-M8S-6C1L-FS-M128P-X-303GY
Angled	PVC	RHT-M8S-4C1L-FR-M126P-X-337GY	RHT-M8S-6C1L-FR-M128P-X-302GY
	PUR	RHT-M8S-4C1L-FR-M126P-X-301GY	RHT-M8S-6C1L-FR-M128P-X-303GY

Circuit Diagram



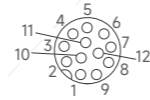
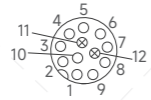
Sheath color	GRAY	GRAY
PVC flexible cable	6*0.25mm ²	8*0.25mm ²
PUR drag chain cable	6*0.25mm ²	8*0.25mm ²

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



Specification

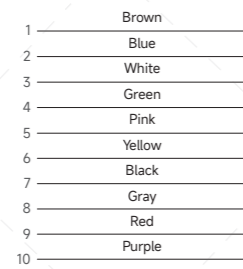
Insert arrangement (M12 Female)



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



Sheath color	GRAY	GRAY
PVC flexible cable	10*0.25mm ²	12*0.25mm ²
PUR drag chain cable	10*0.25mm ²	12*0.25mm ²

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



Sheath color	GRAY	GRAY
PVC flexible cable	10*0.25mm ²	14*0.25mm ²
PUR drag chain cable	10*0.25mm ²	14*0.25mm ²

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 ²
PUR drag chain cable	18*0.25mm ²

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



Specification

Insert arrangement (PCB)



Part Number

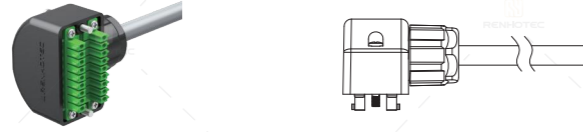
Type	8 Ports/Single channel	12 Ports/Single channel
PVC	RHT-M8-8C1L-FR-PCB10P-X-357GY	RHT-M8-12C1L-FR-PCB14P-X-395GY
PUR	RHT-M8-8C1L-FR-PCB10P-X-359GY	RHT-M8-12C1L-FR-PCB14P-X-396GY

Circuit Diagram



Sheath color	GRAY	GRAY
PVC flexible cable	10*0.25mm ²	14*0.25mm ²
PUR drag chain cable	10*0.25mm ²	14*0.25mm ²

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



Specification

Insert arrangement (PCB)



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 ²
PUR drag chain cable	18*0.25mm ²



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.

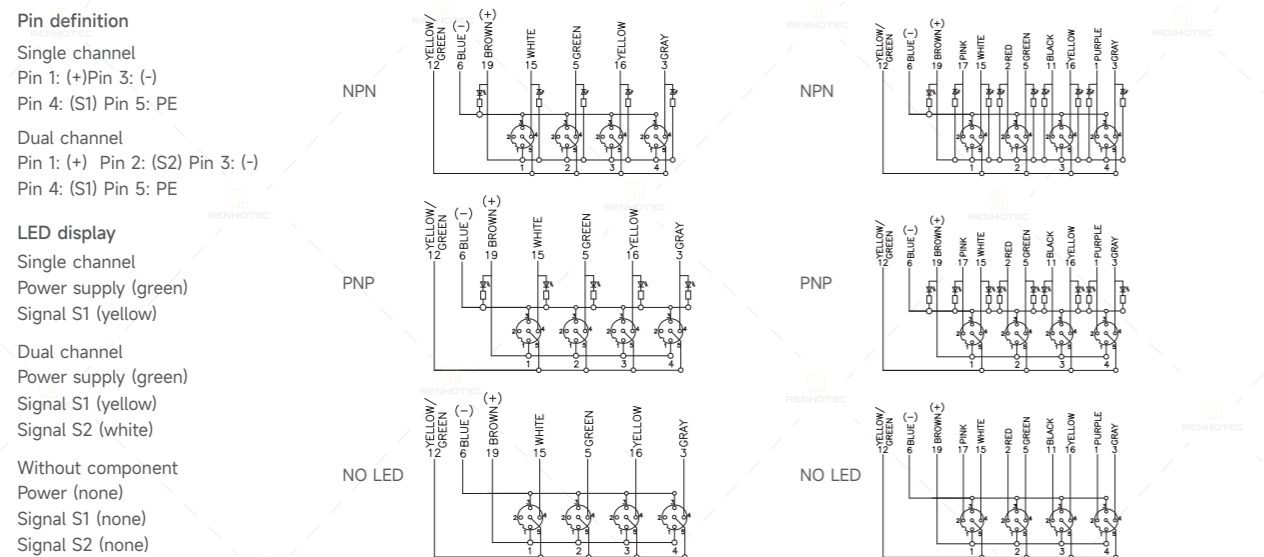
M12 Distributor 4 Ports, M23 Pre-Assembled Plug



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

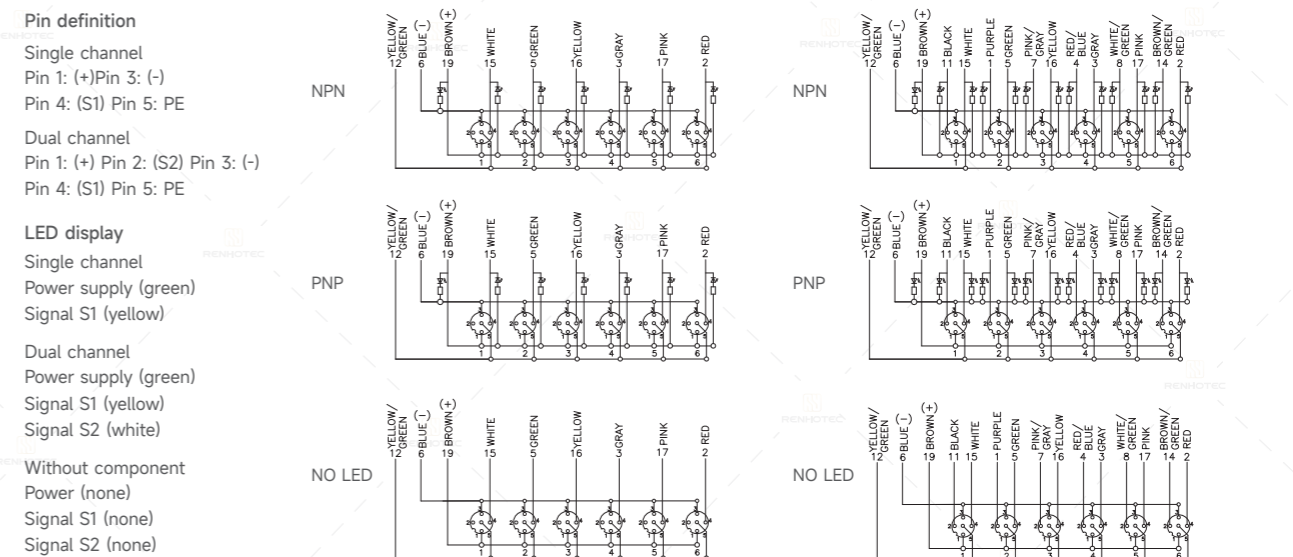
M12 Distributor 6 Ports, M23 Pre-Assembled Plug



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)

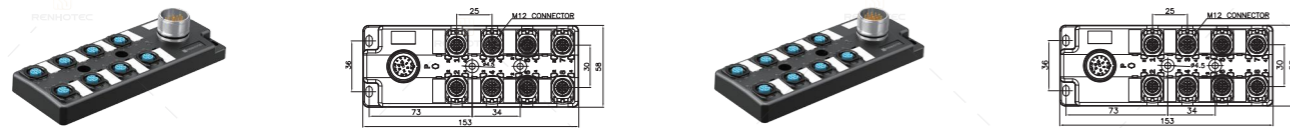
Circuit Diagram



Part Number

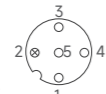
Type	6 Ports/Single channel	6 Ports/Dual channel
NPN	RHT-TB-M12-6C1L-N-M23	RHT-TB-M12-6C2L-N-M23
PNP	RHT-TB-M12-6C1L-P-M23	RHT-TB-M12-6C2L-P-M23
Without component	RHT-TB-M12-6C1L-W-M23	RHT-TB-M12-6C2L-W-M23

M12 Distributor 8 Ports, M23 Pre-Assembled Plug

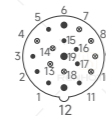


Specification

Insert arrangement (M12 Female)



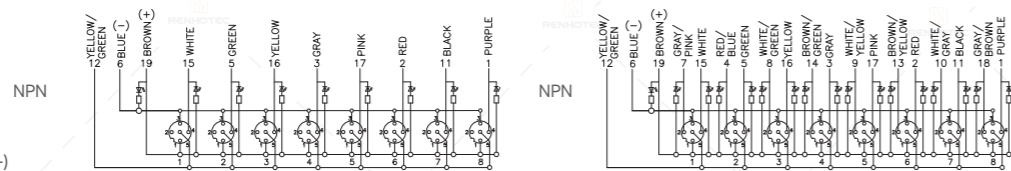
Insert arrangement (M23 Male)



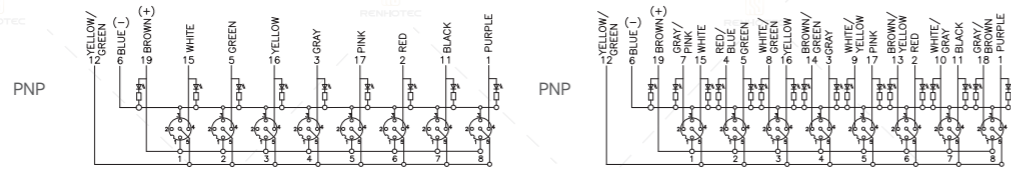
Rated power supply Ue	24V DC/AC	24V DC/AC
Rated working voltage Ub	18...30V DC	18...30V DC
Current load capacity (A)	4A	4A
Total current (A)	6A	6A
Power start Indicator light	Green LED Indicator	Green LED Indicator
Enclosure protection grade	IP67 (when properly connected)	IP67 (when properly connected)

Circuit Diagram

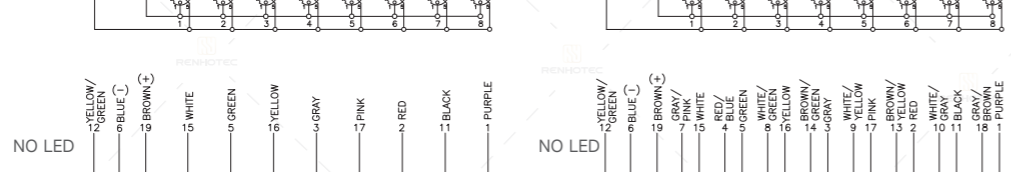
Pin definition
Single channel
Pin 1: (+) Pin 3: (-)
Pin 4: (S1) Pin 5: PE



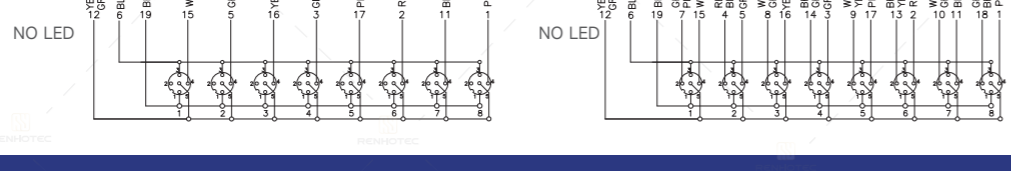
Dual channel
Pin 1: (+) Pin 2: (S2) Pin 3: (-)
Pin 4: (S1) Pin 5: PE



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



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

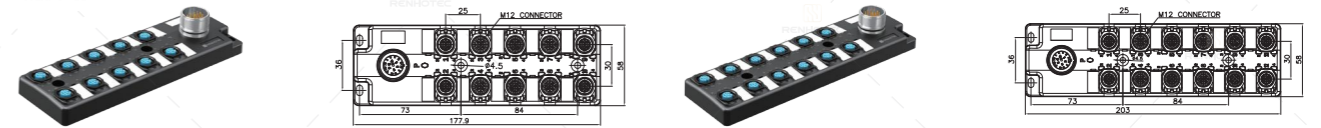


Without component
Power (none)
Signal S1 (none)
Signal S2 (none)

Part Number

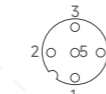
Type	8 Ports/Single channel	8 Ports/Dual channel
NPN	RHT-TB-M12-8C1L-N-M23	RHT-TB-M12-8C2L-N-M23
PNP	RHT-TB-M12-8C1L-P-M23	RHT-TB-M12-8C2L-P-M23
Without component	RHT-TB-M12-8C1L-W-M23	RHT-TB-M12-8C2L-W-M23

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

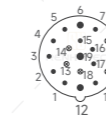


Specification

Insert arrangement (M12 Female)



Insert arrangement (M23 Male)

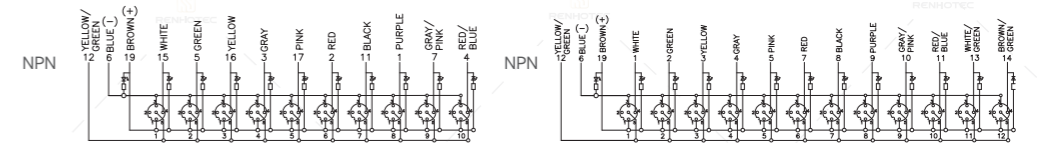


Rated power supply Ue	24V DC/AC	24V DC/AC
Rated working voltage Ub	18...30V DC	18...30V DC
Current load capacity (A)	4A	4A
Total current (A)	6A	6A
Power start Indicator light	Green LED Indicator	Green LED Indicator
Enclosure protection grade	IP67 (when properly connected)	IP67 (when properly connected)

Circuit Diagram

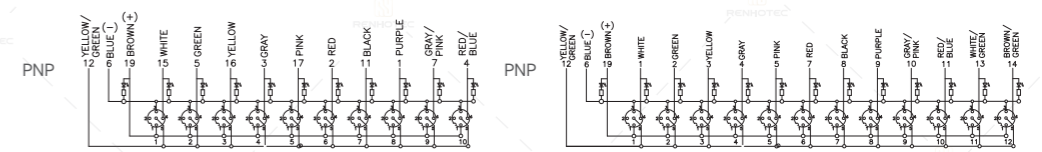
Pin definition

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

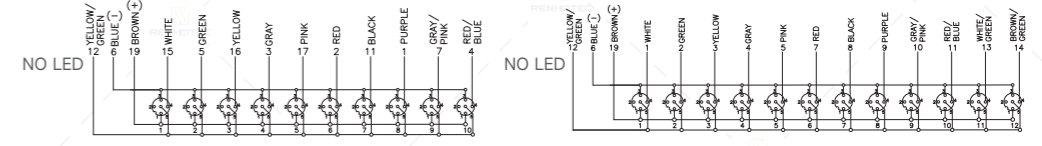


LED display

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



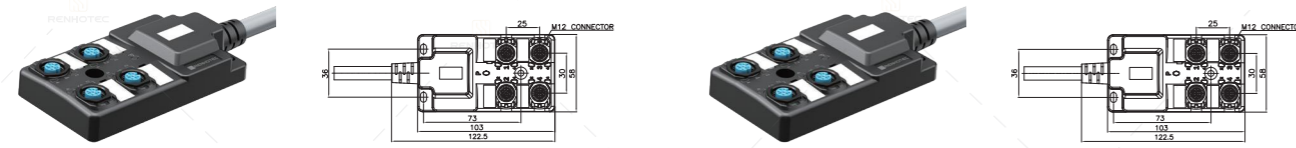
Without component
Power (none)
Signal S1 (none)
Signal S2 (none)



Part Number

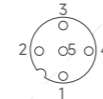
Type	10 Ports/Single channel	12 Ports/Single channel
NPN	RHT-TB-M12-10C1L-N-M23	RHT-TB-M12-12C1L-N-M23
PNP	RHT-TB-M12-10C1L-P-M23	RHT-TB-M12-12C1L-P-M23
Without component	RHT-TB-M12-10C1L-W-M23	RHT-TB-M12-12C1L-W-M23

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

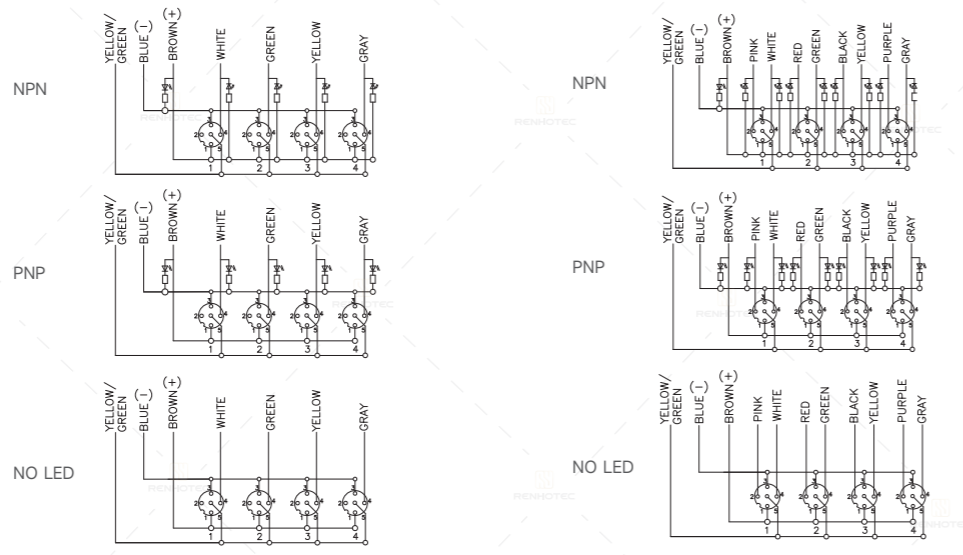
Dual channel
Pin 1: (+) Pin 2: (S2) Pin 3: (-)
Pin 4: (S1) Pin 5: PE

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)

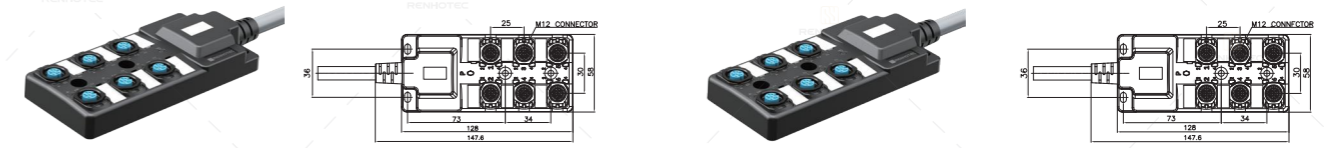


Sheath color	GRAY	GRAY
PVC flexible cable	3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²
PUR drag chain cable	3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²

Part Number

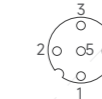
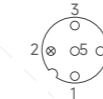
Type	Cable sheath	4 Ports/Single channel	4 Ports/Dual channel
NPN	PVC flexible cable	RHT-TB-M12-4C1L-N-X-333GY	RHT-TB-M12-4C2L-N-X-362GY
	PUR drag chain cable	RHT-TB-M12-4C1L-N-X-334GY	RHT-TB-M12-4C2L-N-X-448GY
PNP	PVC flexible cable	RHT-TB-M12-4C1L-P-X-333GY	RHT-TB-M12-4C2L-P-X-362GY
	PUR drag chain 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

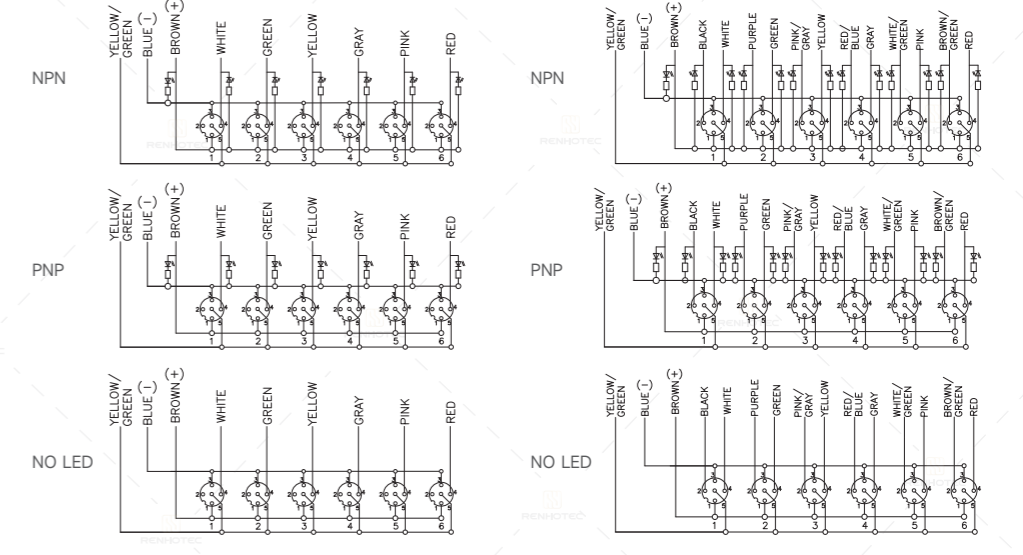
Dual channel
Pin 1: (+) Pin 2: (S2) Pin 3: (-)
Pin 4: (S1) Pin 5: PE

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)

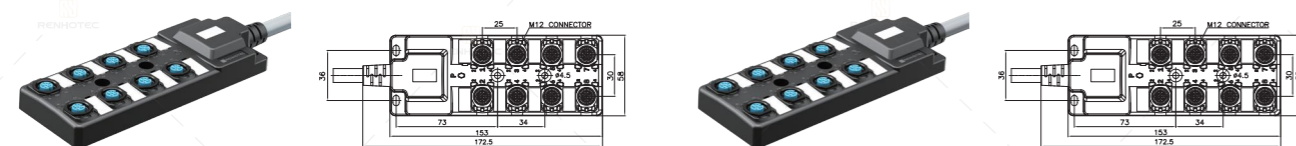


Sheath color	GRAY	GRAY
PVC flexible cable	3*0.5+6*0.34mm ²	3*0.75+12*0.34mm ²
PUR drag chain cable	3*0.5+6*0.34mm ²	3*0.75+12*0.34mm ²

Part Number

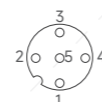
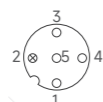
Type	Cable sheath	6 Ports/Single channel	6 Ports/Dual channel
NPN	PVC flexible cable	RHT-TB-M12-6C1L-N-X-310GY	RHT-TB-M12-6C2L-N-X-308GY
	PUR drag chain cable	RHT-TB-M12-6C1L-N-X-311GY	RHT-TB-M12-6C2L-N-X-309GY
PNP	PVC flexible cable	RHT-TB-M12-6C1L-P-X-310GY	RHT-TB-M12-6C2L-P-X-308GY
	PUR drag chain 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

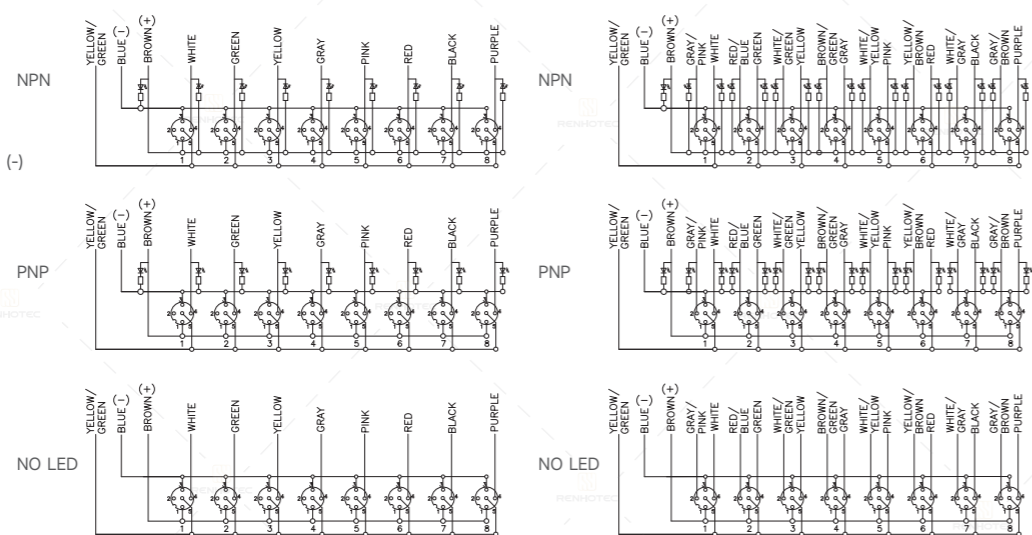
Dual channel
Pin 1: (+) Pin 2: (S2) Pin 3: (-)
Pin 4: (S1) Pin 5: PE

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)

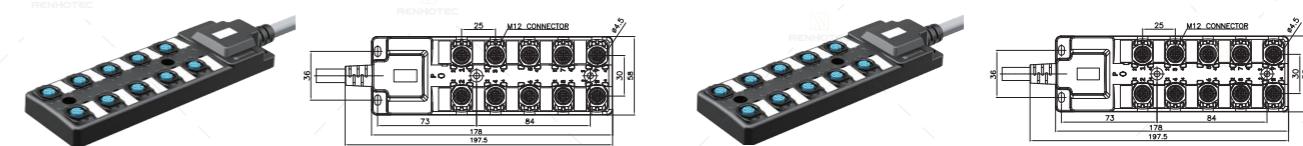


Sheath color	GRAY	GRAY
PVC flexible cable	3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²
PUR drag chain cable	3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²

Part Number

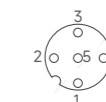
Type	Cable sheath	8 Ports/Single channel	8 Ports/Dual channel
NPN	PVC flexible cable	RHT-TB-M12-8C1L-N-X-362GY	RHT-TB-M12-8C2L-N-X-398GY
	PUR drag chain cable	RHT-TB-M12-8C1L-N-X-448GY	RHT-TB-M12-8C2L-N-X-399GY
PNP	PVC flexible cable	RHT-TB-M12-8C1L-P-X-362GY	RHT-TB-M12-8C2L-P-X-398GY
	PUR drag chain 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

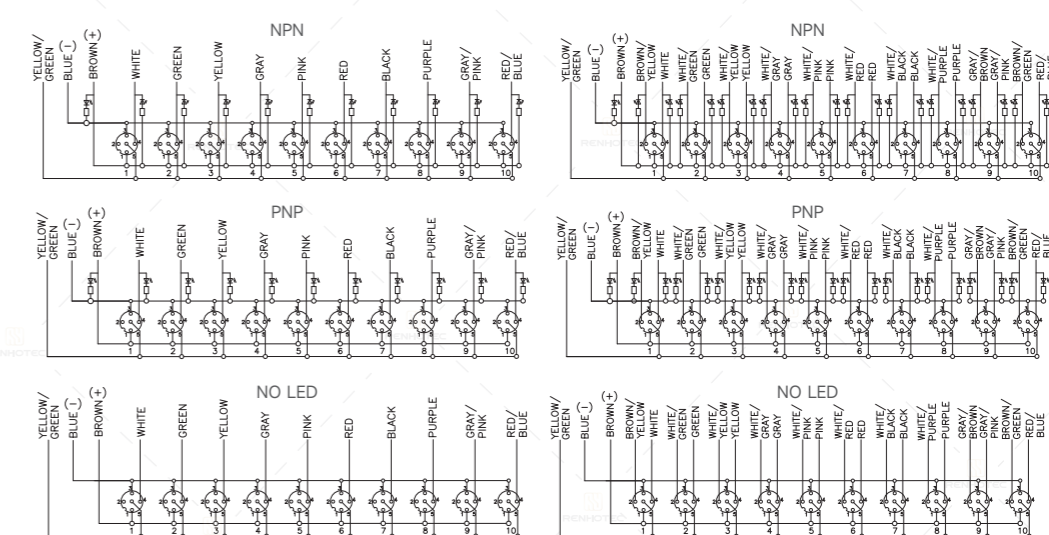
Dual channel
Pin 1: (+) Pin 2: (S2)
Pin 3: (-) Pin 4: (S1)
Pin 5: PE

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)

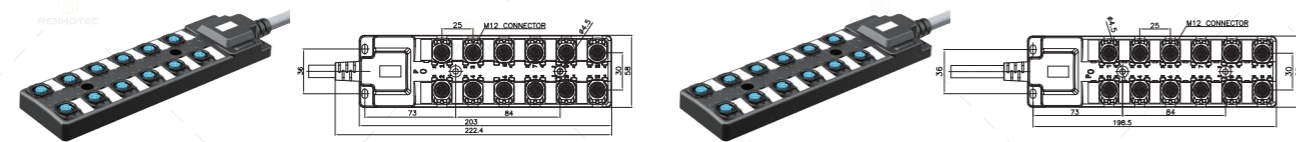


Sheath color	GRAY	GRAY
PVC flexible cable	3*0.75+10*0.34mm ²	3*0.5+20*0.34mm ²
PUR drag chain cable	3*0.75+10*0.34mm ²	3*0.5+20*0.34mm ²

Part Number

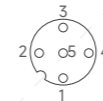
Type	Cable sheath	10 Ports/Single channel	10 Ports/Dual channel
NPN	PVC flexible cable	RHT-TB-M12-10C1L-N-X-312GY	RHT-TB-M12-10C2L-N-X-314GY
	PUR drag chain cable	RHT-TB-M12-10C1L-N-X-313GY	RHT-TB-M12-10C2L-N-X-315GY
PNP	PVC flexible cable	RHT-TB-M12-10C1L-P-X-312GY	RHT-TB-M12-10C2L-P-X-314GY
	PUR drag 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)

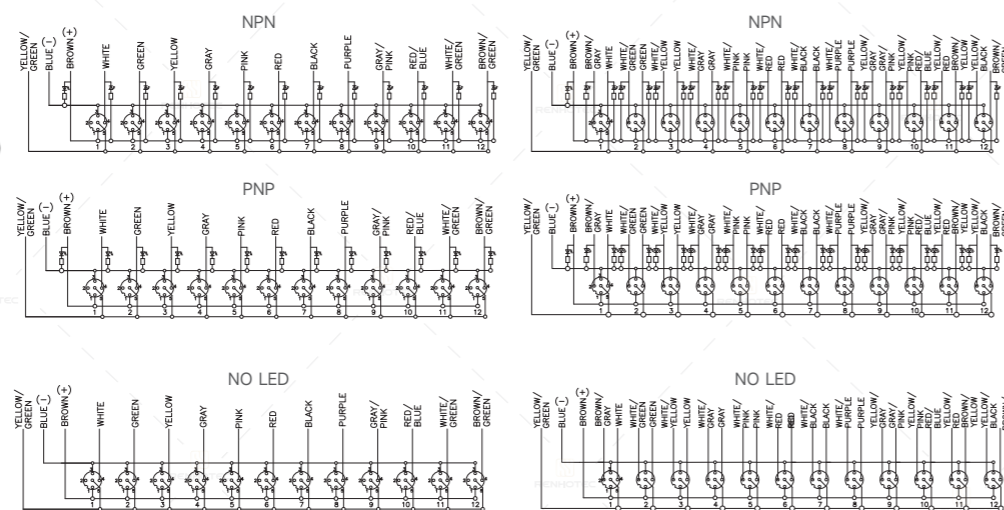
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)



Sheath color	GRAY	GRAY
PVC flexible cable	3*0.75+12*0.34mm ²	3*0.75+24*0.34mm ²
PUR drag chain cable	3*0.75+12*0.34mm ²	3*0.75+24*0.34mm ²

Part Number

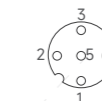
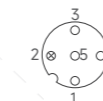
Type	Cable sheath	12 Ports/Single channel	12 Ports/Dual channel
NPN	PVC flexible cable	RHT-TB-M12-12C1L-N-X-308GY	RHT-TB-M12-12C2L-N-X-316GY
	PUR drag chain cable	RHT-TB-M12-12C1L-N-X-309GY	RHT-TB-M12-12C2L-N-X-317GY
PNP	PVC flexible cable	RHT-TB-M12-12C1L-P-X-308GY	RHT-TB-M12-12C2L-P-X-316GY
	PUR drag 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

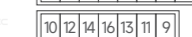
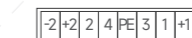
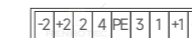


Specification

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)

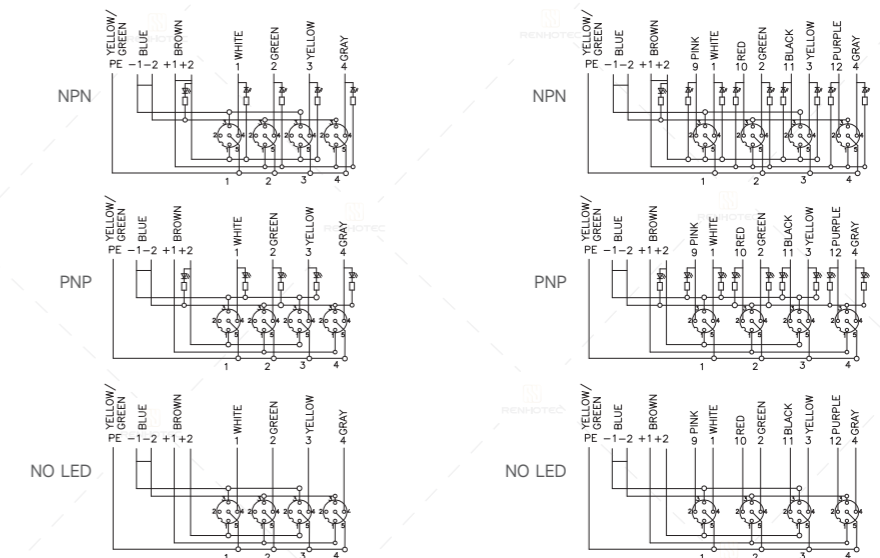
Signal S2 (white)

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)

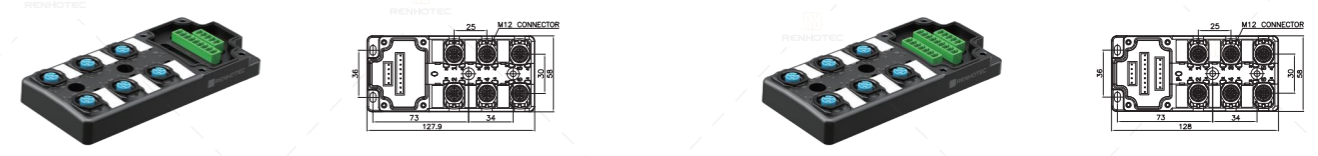
Dual channel
Power supply (green)
Signal S1 (yellow)
Signal S2 (white)

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

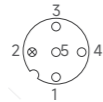
Type	6 Ports/Single channel	6 Ports/Dual channel
NPN	RHT-TB-M12-6C1L-N-PCB	RHT-TB-M12-6C2L-N-PCB
PNP	RHT-TB-M12-6C1L-P-PCB	RHT-TB-M12-6C2L-P-PCB
Without component	RHT-TB-M12-6C1L-W-PCB	RHT-TB-M12-6C2L-W-PCB

M12 Distributor 6 Ports, PCB Interface with Junction Box

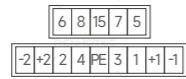


Specification

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)

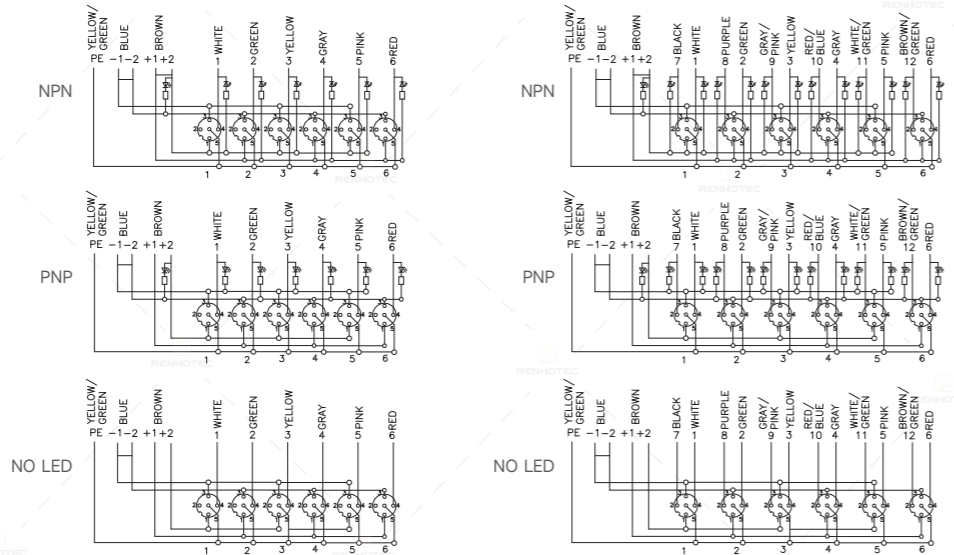
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

Signal S2 (none)



Part Number

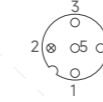
Type	6 Ports/Single channel	6 Ports/Dual channel
NPN	RHT-TB-M12-6C1L-N-PCB1	RHT-TB-M12-6C2L-N-PCB1
PNP	RHT-TB-M12-6C1L-P-PCB1	RHT-TB-M12-6C2L-P-PCB1
Without component	RHT-TB-M12-6C1L-W-PCB1	RHT-TB-M12-6C2L-W-PCB1

M12 Distributor 8 Ports, PCB Interface

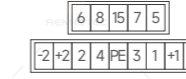


Specification

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)

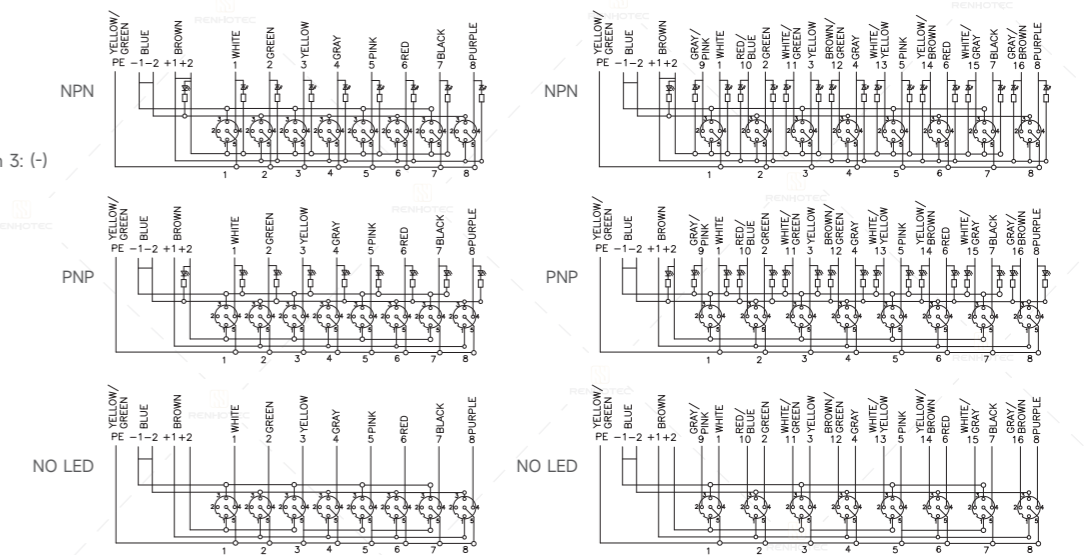
Signal S2 (white)

Without component

Power (none)

Signal S1 (none)

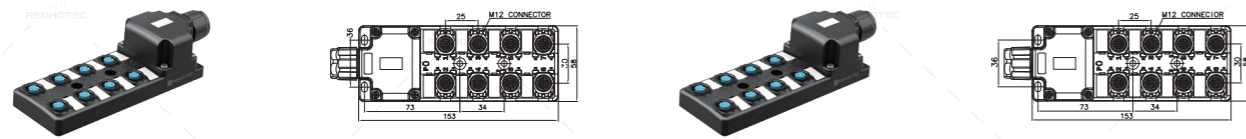
Signal S2 (none)



Part Number

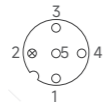
Type	8 Ports/Single channel	8 Ports/Dual channel
NPN	RHT-TB-M12-8C1L-N-PCB	RHT-TB-M12-8C2L-N-PCB
PNP	RHT-TB-M12-8C1L-P-PCB	RHT-TB-M12-8C2L-P-PCB
Without component	RHT-TB-M12-8C1L-W-PCB	RHT-TB-M12-8C2L-W-PCB

M12 Distributor 8 Ports, PCB Interface with Junction Box

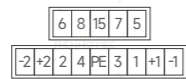


Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)

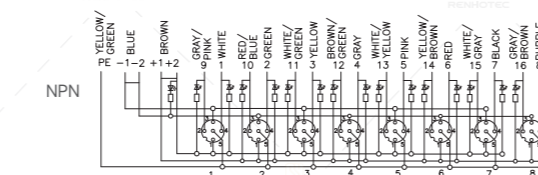
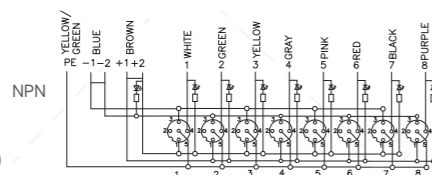


Rated power supply Ue	24V DC/AC	24V DC/AC
Rated working voltage Ub	18...30V DC	18...30V DC
Current load capacity (A)	4A	4A
Total current (A)	6A	6A
Power start Indicator light	Green LED Indicator	Green LED Indicator
Enclosure protection grade	IP67 (when properly connected)	IP67 (when properly connected)

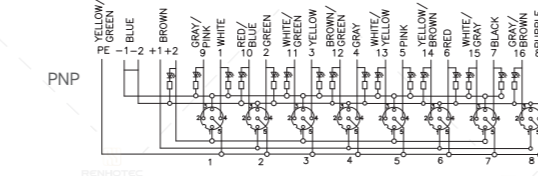
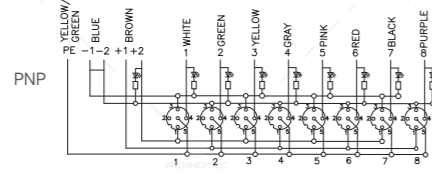
Circuit Diagram

Pin definition

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

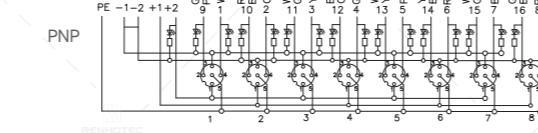
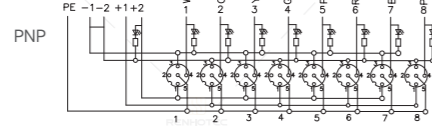


Dual channel
Pin 1: (+) Pin 2: (S2) Pin 3: (-)
Pin 4: (S1) Pin 5: PE

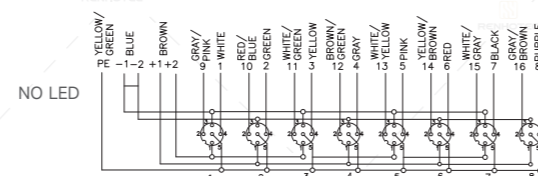
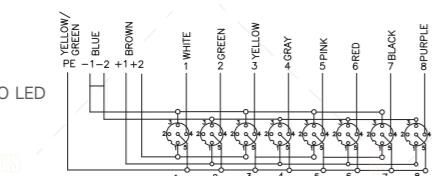


LED display

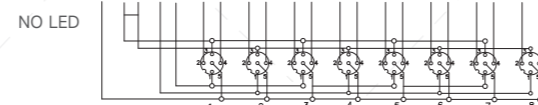
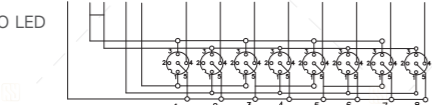
Single channel
Power supply (green)
Signal S1 (yellow)



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



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



Part Number

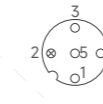
Type	8 Ports/Single channel	8 Ports/Dual channel
NPN	RHT-TB-M12-8C1L-N-PCB1	RHT-TB-M12-8C2L-N-PCB1
PNP	RHT-TB-M12-8C1L-P-PCB1	RHT-TB-M12-8C2L-P-PCB1
Without component	RHT-TB-M12-8C1L-W-PCB1	RHT-TB-M12-8C2L-W-PCB1

M12 Distributor 10/12 Ports, PCB Interface

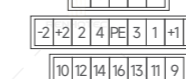


Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)

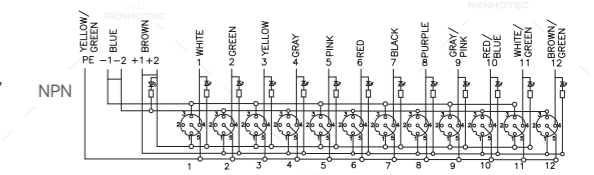
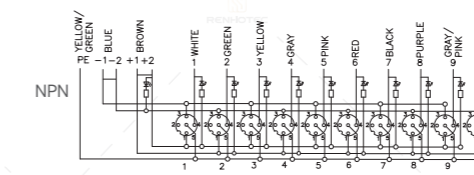


Rated power supply Ue	24V DC/AC	24V DC/AC
Rated working voltage Ub	18...30V DC	18...30V DC
Current load capacity (A)	4A	4A
Total current (A)	6A	6A
Power start Indicator light	Green LED Indicator	Green LED Indicator
Enclosure protection grade	IP67 (when properly connected)	IP67 (when properly connected)

Circuit Diagram

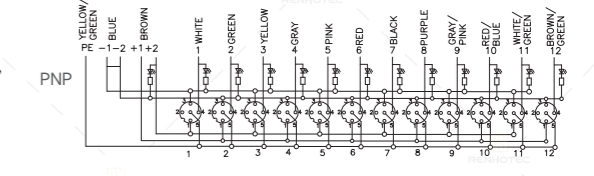
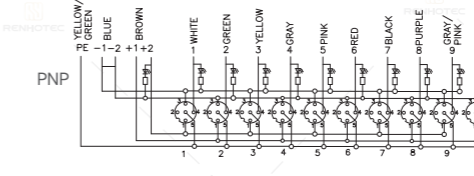
Pin definition

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



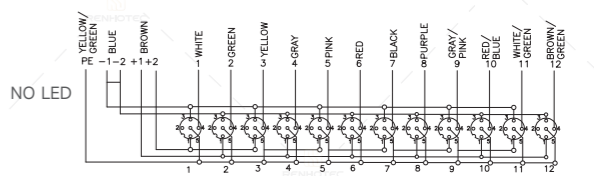
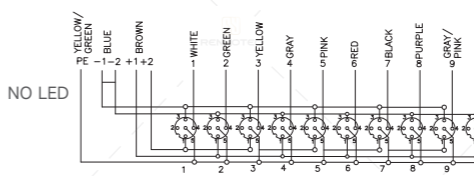
LED display

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



Without component

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



Part Number

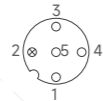
Type	10 Ports/Single channel	12 Ports/Single channel
NPN	RHT-TB-M12-10C1L-N-PCB	RHT-TB-M12-12C1L-N-PCB
PNP	RHT-TB-M12-10C1L-P-PCB	RHT-TB-M12-12C1L-P-PCB
Without component	RHT-TB-M12-10C1L-W-PCB	RHT-TB-M12-12C1L-W-PCB

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

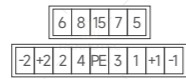


Specification

Insert arrangement (M12 Female)



Insert arrangement (PCB)

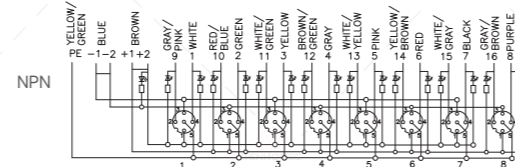
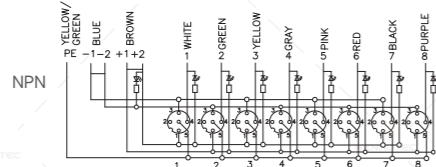


Rated power supply Ue	24V DC/AC	24V DC/AC
Rated working voltage Ub	18...30V DC	18...30V DC
Current load capacity (A)	4A	4A
Total current (A)	6A	6A
Power start Indicator light	Green LED Indicator	Green LED Indicator
Enclosure protection grade	IP67 (when properly connected)	IP67 (when properly connected)

Circuit Diagram

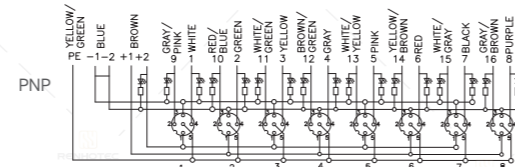
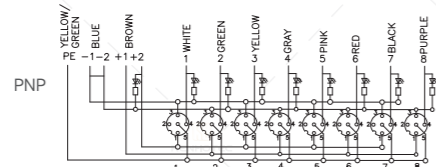
Pin definition

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



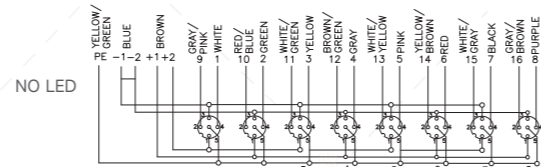
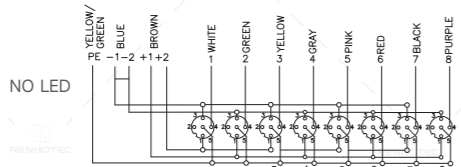
LED display

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

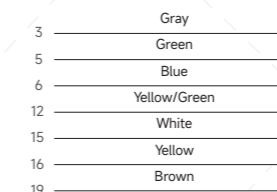
Insert arrangement (M23 Female)



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 ²	3*0.75+8*0.34mm ²
PUR drag chain cable	3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²

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 ²	3*0.75+12*0.34mm ²
PUR drag chain cable	3*0.5+6*0.34mm ²	3*0.75+12*0.34mm ²

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



Specification

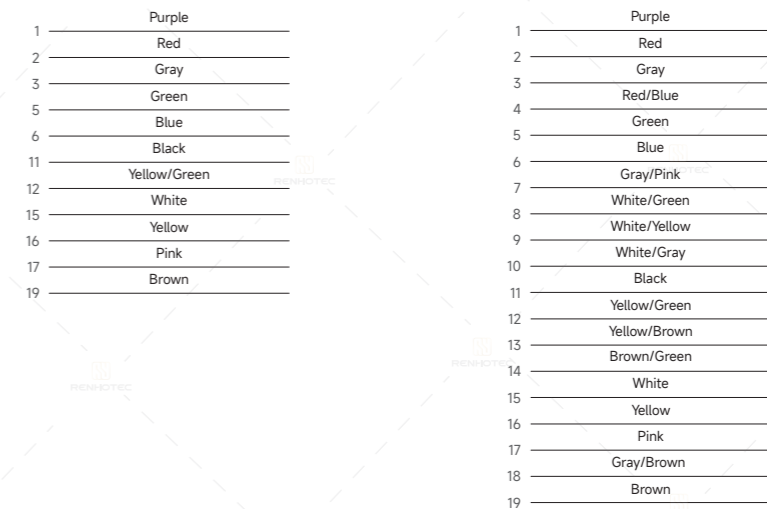
Insert arrangement (M23 Female)



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 ²	3*0.75+16*0.34mm ²
PUR drag chain cable	3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²

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

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

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

Sheath color	GRAY	GRAY
PVC flexible cable	3*0.75+10*0.34mm ²	3*0.75+12*0.34mm ²
PUR drag chain cable	3*0.75+10*0.34mm ²	3*0.75+12*0.34mm ²

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

- Yellow/Green(0.5mm²)
- PE
- 1 Blue(0.5mm²)
- +1
- 2 Brown(0.5mm²)
- +2
- 1 White
- 2 Green
- 3 Yellow
- 4 Gray

- Yellow/Green(0.75mm²)
- PE
- 1 Blue(0.75mm²)
- +1
- 2 Brown(0.75mm²)
- +2
- 1 White
- 2 Green
- 3 Yellow
- 4 Gray
- 9 Pink
- 10 Red
- 11 Black
- 12 Purple

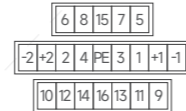
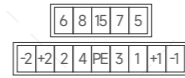
Sheath color	GRAY	GRAY
PVC flexible cable	3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²
PUR drag chain cable	3*0.5+4*0.34mm ²	3*0.75+8*0.34mm ²

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



Specification

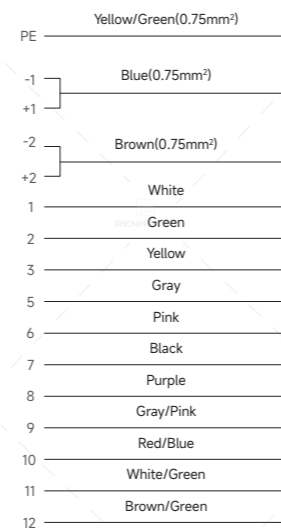
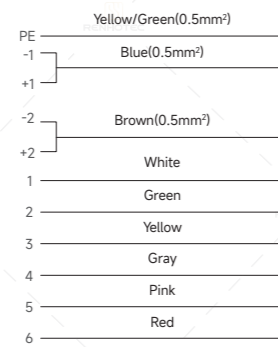
Insert arrangement (PCB)



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



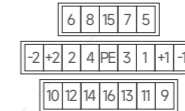
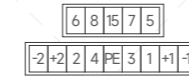
Sheath color	GRAY	GRAY
PVC flexible cable	3*0.5+6*0.34mm ²	3*0.75+12*0.34mm ²
PUR drag chain cable	3*0.5+6*0.34mm ²	3*0.75+12*0.34mm ²

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



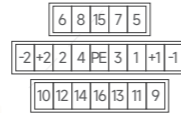
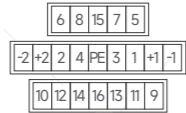
Sheath color	GRAY	GRAY
PVC flexible cable	3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²
PUR drag chain cable	3*0.75+8*0.34mm ²	3*0.75+16*0.34mm ²

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



Specification

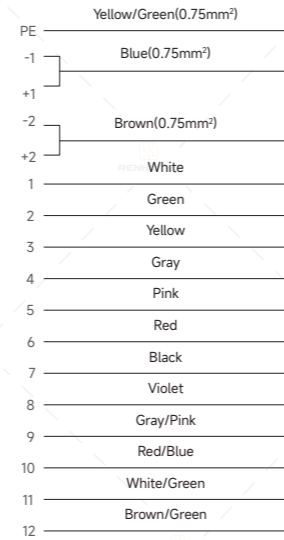
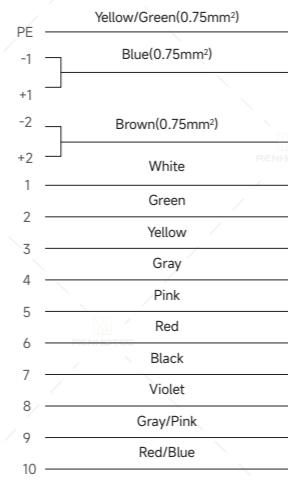
Insert arrangement (PCB)



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 ²	3*0.75+12*0.34mm ²
PUR drag chain cable	3*0.75+10*0.34mm ²	3*0.75+12*0.34mm ²