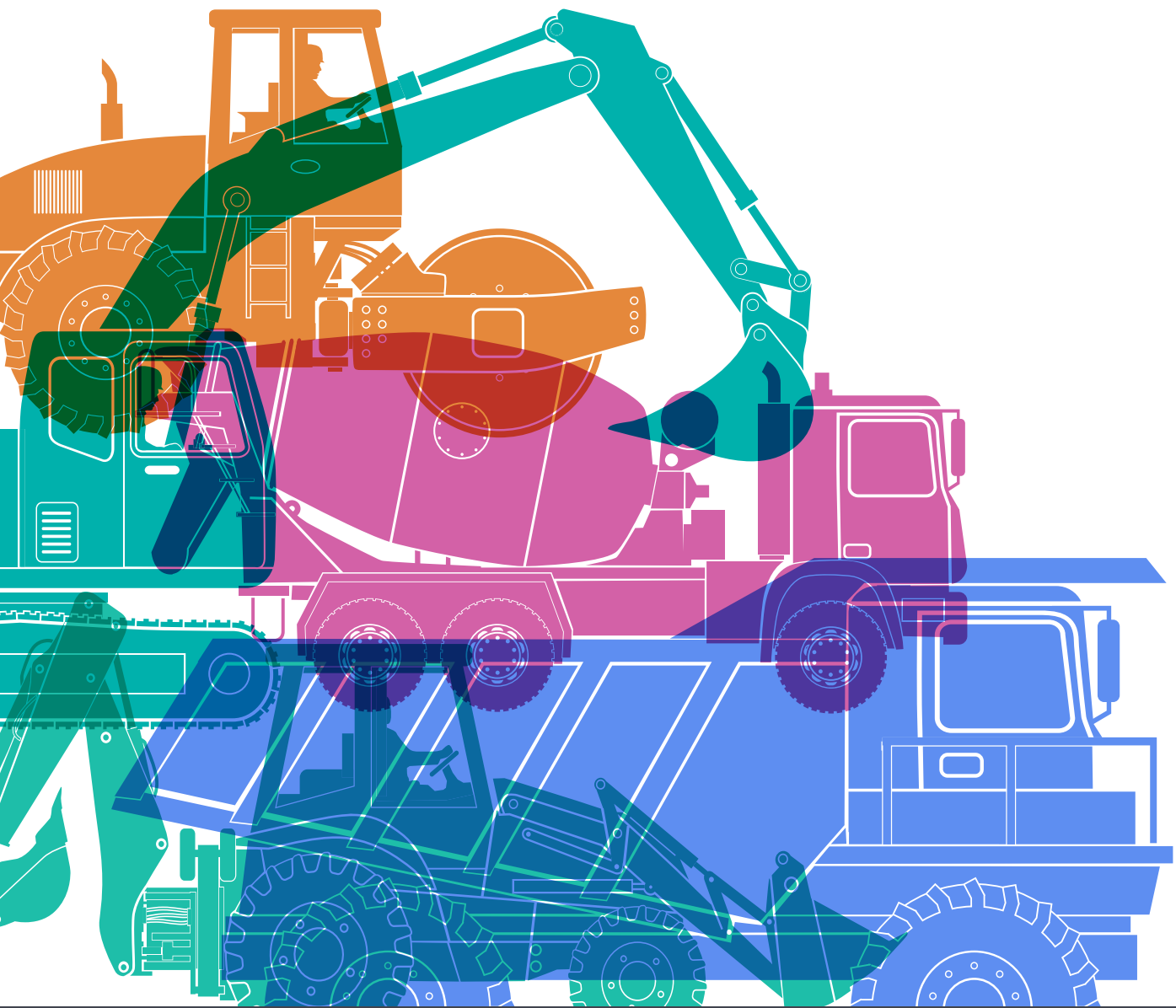


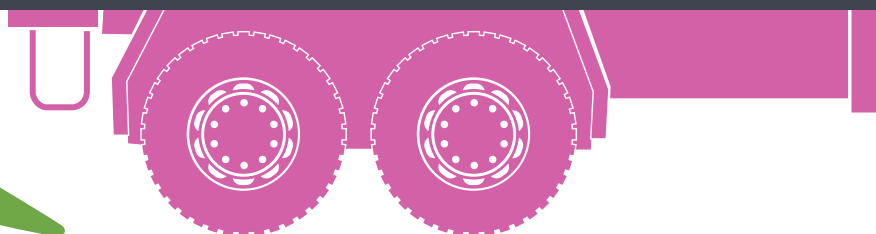
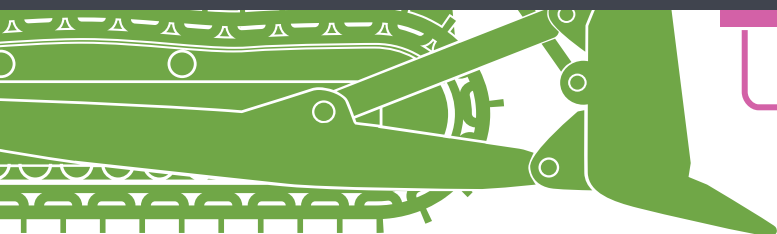
MOBILE AUTOMATION

Industrial connectivity for outdoor applications



min-tec[®]

We connect your Innovation





Mintec has proudly focused on **mobile automation** for years. For us this means having to deal with extreme environments: concrete **mixers**, **cranes**, **operating machines**, etc. are all vehicles that operate outdoors, subject to strong vibrations, dust, liquids and lubricants.

For this reason, our connectors must be robust, flexible even at low temperatures and waterproof, that's why we choose high quality materials and design every component for the most extreme applications.

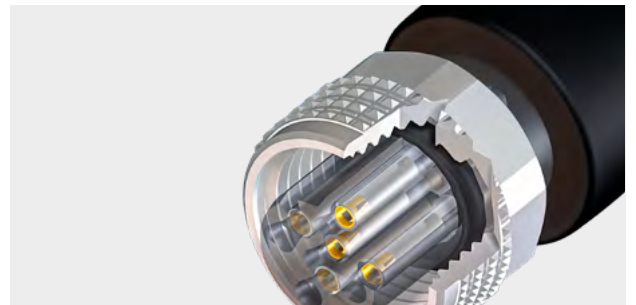
PUR MOULDED BODY CONNECTORS

Thanks to the experience acquired through years, Mintec is specialized in molding of Polyether Polyurethane. This typology of TPU ensures many advantages, that's why this is one of our most appreciated flagships!

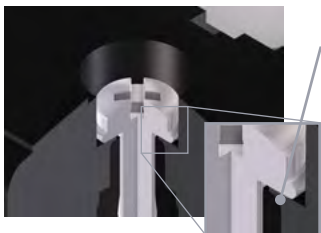
- > Abrasion resistance
- > High low temperature flexibility
- > Excellent hydrolytic stability
- > Oils, Fuels and Solvent Resistance



CIRCULAR CONNECTORS SPECIAL DESIGN



INNOVATIVE SOLUTION FOR DIN VALVE CONNECTORS



IP67 LOCKING SYSTEM

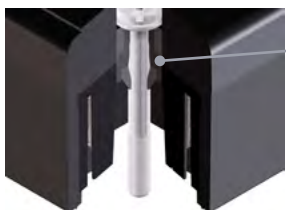
Molding a layer of 0.5 mm of PUR over an harder polyamide support, we create an integrated gasket that is compressed by the underhead washer screw.



INTEGRATED PUR GASKET

Under the connector we mold a 0.5 mm PUR profile that acts as an integrated O-ring.

Thanks to the mnemonic properties of PUR, these innovative sealing solutions maintain a stable compression over time, making our DIN connectors safely waterproof in the most harsh conditions and in presence of strong vibrations.

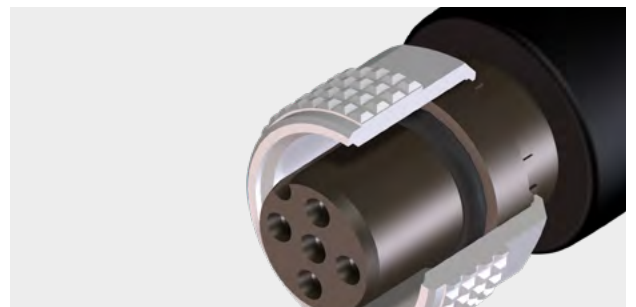


NOT LOSING SCREW

Inside the body a conical profile acts as a retention system for the screw.

PRESS-FIT TECHNOLOGY

These female pins for M12 include a specific ring for clipping the male pins, maintaining a stable contact even with strong vibrations and mechanical stresses. This feature guarantees that there is no possibility to lose the connection in every extreme conditions.



TURNED THREADED RINGS

The M12 ring nuts are turned nickel plate brass with self-locking system. The integrated hexagonal profile allows the use of a torque wrench for a perfect match.



PRE-WIRED CONNECTORS ADVANTAGES

We promote pre-wired solutions with a wide range of moulded connectors. This installation concept brings many advantages to our customers that have to deal with outdoor heavy-duty vehicles. For this reason, we enlarged our portfolio including the PP over-mold version of **Deutsch** and **Junior Timer** connectors.

GUARANTEE WATERPROOF

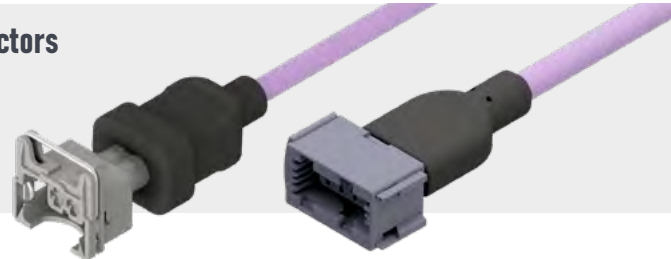
Pre-wired connections are the easiest way to achieve a reliable protection to liquids. The molding process prevents water infiltration even from cable inlet.

- > DT06-2S
- > DT06-4S
- > DT06-6S



Junior Timer connectors

- > 2 poles male
- > 2 poles female
- > 4 poles A code
- > 4 poles B code



QUICK INSTALLATION / FAST TROUBLESHOOTING

Pre-wired connectors simplify end speed up electrical projects and wiring. There is no need of junction boxes, so sizing and mechanical design can benefit of this wiring concept. Clamps, terminals and manual wiring are replaced by simple connectors coupling and standard pinouts. In addition, our production is 100% tested, for an operational and functioning installation!

PRODUCT RANGE FOR CONTROL UNITS

- > M12 A code complete range connectors for CAN and DeviceNET protocols
- > Passive HUB distributors for star topology and daisy chain BUS connection
- > Metal thread in all passive boxes



HIGH QUALITY CABLES

Thanks to the careful selection of materials, Mintec is able to guarantee the right cable for each application. Often special vehicles deals with hazardous materials, in this case we can provide our connectors with **ADR compliant cables (European Agreement concerning the International Carriage of Dangerous Goods by Road)**.

PUR UL CABLES

- > Good resistance to chemical and oils
- > Good abrasion and mechanical stress resistance
- > For dynamic applications / drag chain installations
- > Up to 2.000.000 complete bending cycles
- > -25°C .. +80°C temperature range

PUR/PVC CABLES

- > Good resistance to chemical and oils
- > Good abrasion and mechanical stress resistance
- > For mild dynamic applications
- > -25°C .. +80°C temperature range



Length	Female straight M12	Male straight M12	Female angled M12	Male angled M12	double ended M12
PUR/PVC BLACK CABLE 5x0.34mm²					
3m	43041-031	43201-031	43121-031	43281-031	44220-190
5m	43041-051	43201-051	43121-051	43281-051	44220-191
10m	43041-101	43201-101	43121-101	43281-101	44220-192
PUR UL BLACK CABLE 5x0.34 mm²					
3m	43043-030	43203-030	43123-030	43283-030	44220-303
5m	43043-050	43203-050	43123-050	43283-050	44220-305
10m	43043-100	43203-100	43123-100	43283-100	44220-310



Length	form A	form A double valve	Length	double ended form A - M12	double ended form A double valve - M12
PUR/PVC BLACK CABLE cross section 0.75mm²					
1.5m	48044-000	40100-100	0.3m	45301-020	40100-200
3m	48044-001	40100-101	0.6m	45301-021	40100-201
5m	48044-002	40100-102	1.5m	45301-022	40100-202
E0 circuit with transient suppression TRANSIL and 24V yellow bipolar LED					
1.5m	48144-165	40100-031	0.3m	45301-035	40100-203
3m	48144-166	40100-004	0.6m	45301-036	40100-204
5m	48144-152	40100-005	1.5m	45301-037	40100-205
PUR UL BLACK CABLE cross section 0.75mm²					
1.5m	48084-000	40100-130	0.3m	45303-020	40100-230
3m	48084-001	40100-131	0.6m	45303-021	40100-231
5m	48084-002	40100-132	1.5m	45303-022	40100-232
E0 circuit with transient suppression TRANSIL and 24V yellow bipolar LED					
1.5m	48184-150	40100-133	0.3m	45303-036	40100-233
3m	48184-151	40100-134	0.6m	45303-035	40100-234
5m	48184-152	40100-135	1.5m	45303-037	40100-235



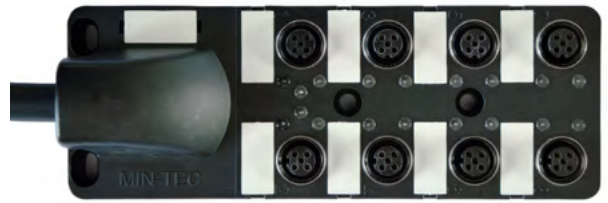


Length	DT06-2S	DT06-4S	DT06-6S	Length	double ended DT06-2S - M12	double ended DT06-4S - M12
PUR/PVC BLACK CABLE cross section 0.75mm²						
3m	62501-100	62521-100	62541-100	0.3m	63200-050	63202-050
5m	62501-101	62521-101	62541-101	0.6m	63200-051	63202-051
10m	62501-102	62521-102	62541-102	1.5m	63200-052	63202-052
PUR UL BLACK CABLE cross section 0.75mm²						
3m	62501-300	62521-300	62541-300	0.3m	63200-250	63202-250
5m	62501-301	62521-301	62541-301	0.6m	63200-251	63202-251
10m	62501-302	62521-302	62541-302	1.5m	63200-252	63202-252



Length	Female Junior Timer 2 pin	Male Junior Timer 2 pin	Female Junior Timer 4 pin A-code	Length	double ended 2 pin Female Junior Timer - M12	double ended 4 pin Female Junior Timer - M12
PUR/PVC BLACK CABLE cross section 0.75mm²						
3m	62001-100	62011-100	62101-100	0.3m	63000-050	63002-050
5m	62001-101	62011-101	62101-101	0.6m	63000-051	63002-051
10m	62001-102	62011-102	62101-102	1.5m	63000-052	63002-052
PUR UL BLACK CABLE cross section 0.75mm²						
3m	62001-300	62011-300	62101-300	0.3m	63000-250	63002-250
5m	62001-301	62011-301	62101-301	0.6m	63000-251	63002-251
10m	62001-302	62011-302	62101-302	1.5m	63000-252	63002-252

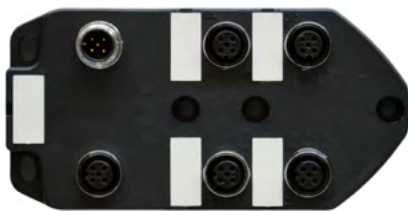




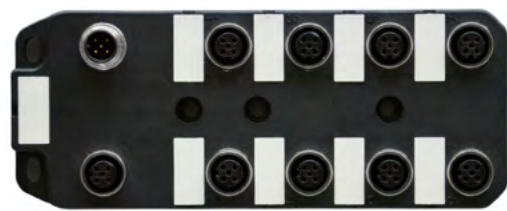
Length	Pre-wired distribution box 4 ways 5 pin with LED	Pre-wired distribution box 8 ways 5 pin with LED
	PUR/PVC BLACK CABLE 360.75mm ² + 8x0.34mm ²	PUR/PVC BLACK CABLE 360.75mm ² + 16x0.34mm ²
5m	47071-000	47111-000
10m	47071-001	47111-001
15m	47071-002	47111-002
	PUR UL BLACK CABLE 360.75mm ² + 8x0.34mm ²	PUR UL BLACK CABLE 360.75mm ² + 16x0.34mm ²
5m	47073-000	47113-000
10m	47073-001	47113-001
15m	47073-002	47113-002



Length	male straight M12 A code	female straight M12 A code	male angled M12	female angled M12	Length	double ended M12
2x2xAWG22 PUR UL Violet cable						
2m	43773-000	43753-000	43783-000	43763-000	0.3m	44850-300
3m	43773-001	43753-001	43783-001	43763-001	0.6m	44850-301
5m	43773-002	43753-002	43783-002	43763-002	1.5m	44850-302
1x2xAWG22 + 1x2xAWG24 PUR UL Violet cable						
2m	43923-000	43903-000	43933-000	43913-000	0.3m	44940-300
3m	43923-001	43903-001	43933-001	43913-001	0.6m	44940-301
5m	43923-002	43903-002	43933-002	43913-002	1.5m	44940-302



M12 Passive HUB

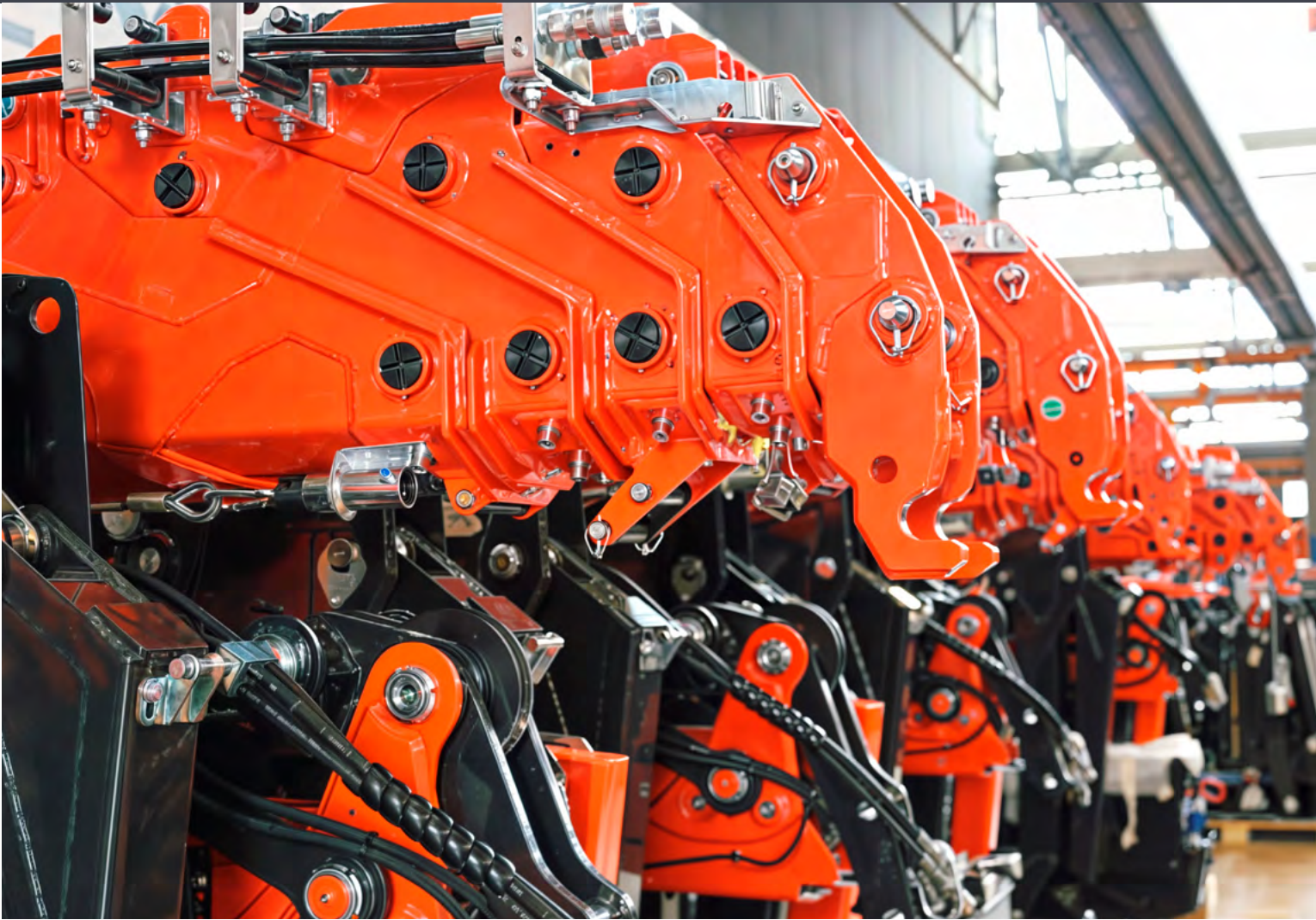


M12 Passive HUB

distribution system for CanOpen/Devicenet 4 ports + IN/OUT	distribution system for CanOpen/Devicenet 8 ports + IN/OUT
47209-000	47209-002



Cable Diameter	Female 5 poles	Male 5 poles	Angled female 5 poles	Angled male 5 poles
PG7	46420-002	46480-002	46540-002	46600-002
PG9	46420-003	46480-003	46540-003	46600-003





Mintec - Creativity, Passion, Innovation. "The Quality Connection"

Our long and consolidated experience in the connection sector, combined with our passion and creativity, have led us to create quality products that are highly appreciated in the "outdoor" sectors: connectors suitable for heavy-duty applications, where resistance and continuity of service are required, even when subjected to significant stress, vibrations, large temperature ranges, in the continuous presence of dust and liquids.

We transfer this know-how to our products on a daily basis, with consequent advantages in addition to the basic characteristics found in more widely used products, guaranteeing, for example, compliance with IP67 on all products and IP68 where the customer requires it.

Our connectors are therefore developed, manufactured and marketed with the expertise and passion that sets us apart and is expressed in the product itself.

As certified operators, we work in compliance with ISO 9001:2015 standards. Furthermore, being in close contact with the main certification bodies for the Approvals of its products, Mintec offers numerous products with the UL mark. All this in a "Green" context that sees our company working in energy autonomy thanks to its own photovoltaic system.

Mintec means Quality also in the customer service, from the initial activities of support to the connection project, to the customisation of the product or the simple choice of the standard connector, up to a careful after-sales service.



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