

DIN 41618 / DIN 41622



Electrical control



Wind turbines



Testing / Measuring

SOLID.
PRECISE.
DURABLE.

DIN 41618/41622 connectors for cable and PCB connections

Reliable connections are essential in many demanding applications - from electrical control systems and renewable energies to testing and measuring devices. Our DIN 41618 and DIN 41622 connectors have been specially developed to overcome challenges such as mechanical stress, electrical interference and difficult environmental conditions. Thanks to the use of robust materials and precise manufacturing, they offer high resistance and a long service life, which reduces downtimes and guarantees a secure, stable connection.

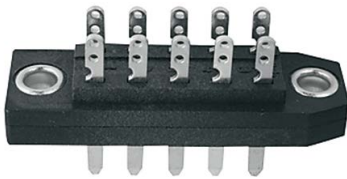


Thanks to their proven reliability and exceptional durability, these connectors have been established on the market for decades.

PORTFOLIO

Our DIN 41618 and DIN 41622 connectors offer you the optimum solution and are characterised by their robustness, reliability and wide range of applications. Here is an overview of the key properties and differences:

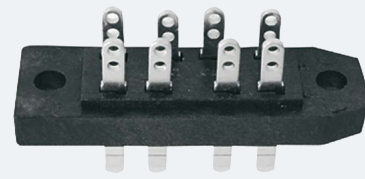
Symmetrical DIN 41618 connectors



- **Contact arrangement:** Symmetrical
- **Operating voltage:** 250V AC / 200V DC
- **Available pin count:** 10, 16, 20, 26, 39
- Connection types:
 - **Type A:** Male connector
 - **Type B:** Female connector

The versions according to DIN 41618 are preferable if a higher packing density is advantageous and a maximum operating voltage of 250V AC or 200V DC is sufficient for the application. In addition, connections with more contacts (up to 39) are also possible.

Asymmetrical DIN 41622 connectors

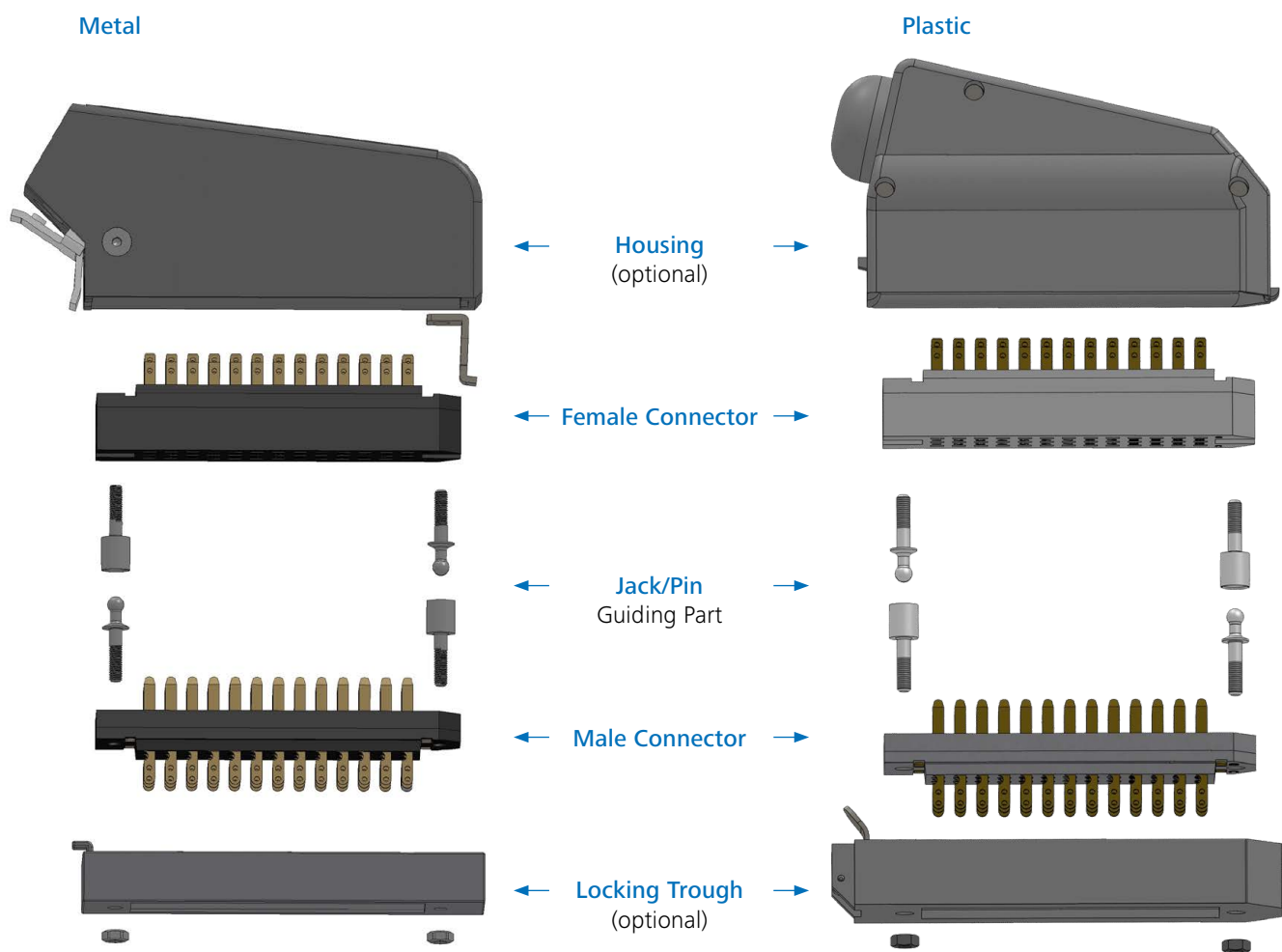


- **Contact arrangement:** Asymmetrical
- **Operating voltage:** 380V AC / 450V DC
- **Available pin count:** 8, 12, 16, 20, 30
- Connection types:
 - **Type A:** Male connector
 - **Type B:** Female connector

The versions according to DIN 41622 are advantageous if a higher operating voltage of up to 380V AC or 450V DC is required. Due to the asymmetrical arrangement of the contact pins, the distance between the contacts and therefore the dielectric strength is slightly higher.

EASY AND EFFICIENT ASSEMBLY

Our DIN 41618 and DIN 41622 connectors are designed to ensure simple and time-saving installation. They allow you to make connections effortlessly and securely without having to rely on special installation tools. A simple screwdriver is all you need to easily fit the connector accessories. For you, this means less effort and more efficiency for your projects.

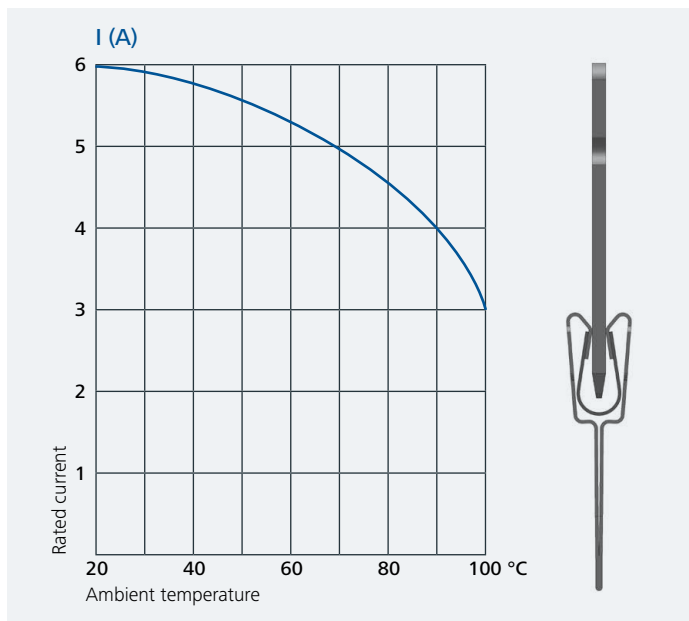


Good to know:

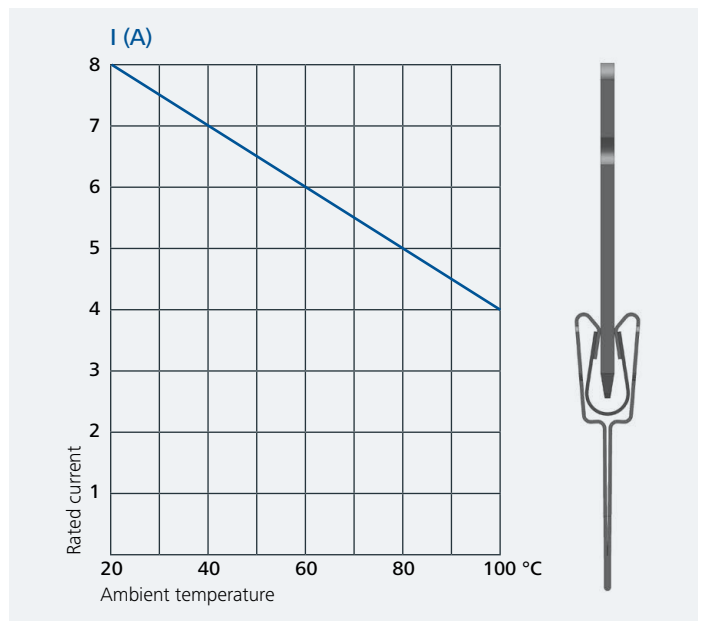
The housing and locking trough can be used optionally. If this is desired, this requires the use of the guiding parts, which also ensure mechanical coding.

TECHNICAL DATA

DIN 41618



DIN 41622



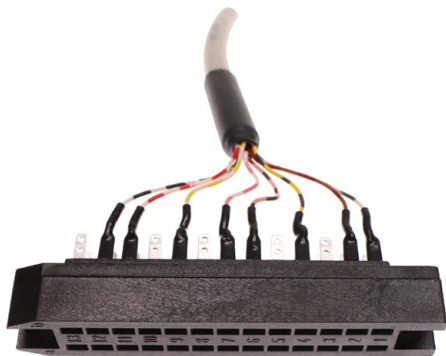
Maximum current depending on the ambient temperature

	DIN 41618	DIN 41622
Operating voltage	250V AC / 200V DC	380V AC / 450V DC
Voltage proof	750 Veff/50 Hz	1.050 Veff/50 Hz
Working current	5 A	6 A
Knife contacts	2.5 x 1 mm	3.0 x 1 mm
Disengagement	min. 0,8 N	min. 0,8 N
Durability (mating cycles)	min. 500	min. 500
Materials: insulators	PC GF 30	PC GF 30
Operating temperature: plastic	-55°C – +125 °C	-55°C - +125 °C
Terminators	silver plated, solderable	silver plated, solderable
Tested/classified according to DIN IEC 60068-1	40/085/21	40/085/21
Contact resistance	< 2 mΩ	< 2 mΩ



To establish a connection, the wires of the connection cable are soldered to the pins. This method ensures a durable and reliable connection that fulfils the requirements of demanding applications. Alternatively, the connectors can also be soldered directly to the PCB, giving you additional flexibility when integrating them into your electronic systems.

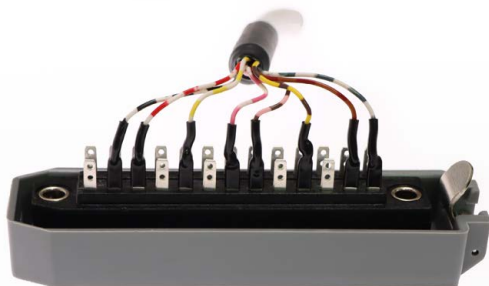
CONNECTION POSSIBILITIES



Female connector without housing



Female connector in housing (open view)



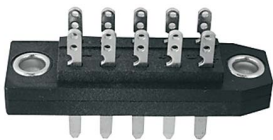
Female connector in locking trough

APPLICATIONS

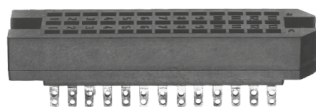
- Railway infrastructure
- Medical technology
- Relay interlocks
- Model construction
- Wind power

COMPATIBILITY DIN CONNECTORS

DIN 41618

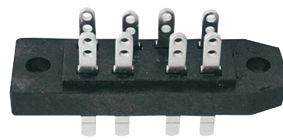


Male connector

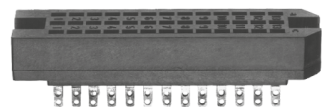


Female connector

DIN 41622



Male connector



Female connector

No. of poles	Type	Order number	No. of poles	Type	Order number
10	Male	100023257	8	Male	100023258
	Female	100023246		Female	100023247
16	Male	100023259	12	Male	100023261
	Female	100023248		Female	100023250
20	Male	100023260	16	Male	100023262
	Female	100023249		Female	100023251
26	Male	100023265	20	Male	100023263
	Female	100023253		Female	100023252
39	Male	100023266	30	Male	100023267
	Female	100023254		Female	100023255

DIN 41618 and DIN 41622 connectors offer a variety of applications. Renowned for their quality and flexibility, they stand as the prime choice across various sectors where dependable connections are paramount. Their reliability and durability have established them as a proven solution that has been trusted in the market for decades.

More information here...

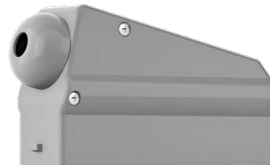


ACCESSORIES

Metal



Plastic



Housing

Locking trough

Housing

Locking trough

100021268

100001349

100045871

100045872

100021273

100001350

100045873

100045874

100021274

100001351

100124839

100124840

100021275

100001354

100045875

100045876

100021276

100001355

100122565

100045878

Note: Female connectors and male connectors can be installed both in the locking trough and in the housing. Make sure that the housing and locking trough are always made of the same material.

GUIDING PARTS



Note:

The guiding parts are required for mounting in the locking trough or housing and also fulfil guiding and coding functions.

Pin

100000045

Jack

100000046



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