

# MOULDED CORDSETS

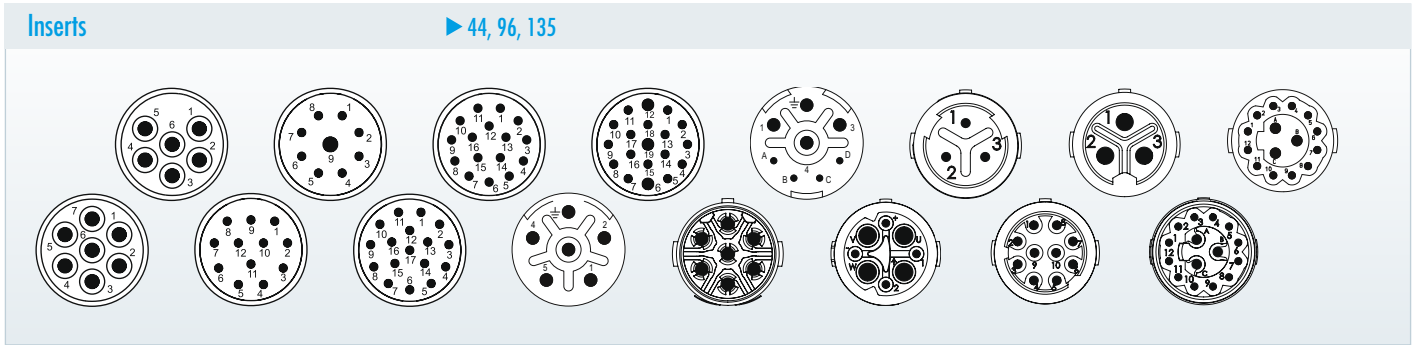
Every connector of the standard series can be sold in a moulded cordset as well. Hereby there is no difference, whether it is one with a male or female thread. Moreover, customized projects are being realised. Cable type and cable length are specified in common technical consultations.

- // Moulded cordset M 16
- // Moulded signal cordset M 23
- // Moulded power cordset M 23



# MOULDED CORDSETS

## Product overview



Mechanical Data	Materials and Technical Data
Housing	Copper-Zinc alloy Die Casting
Moulded strain relief	Polyurethan PUR
Housing surface	Nickel plated brass, black strain relief
Inserts (for contacts)	Thermoplastic Polyamid PA 6 (Nylon 6/6), PBT Fire protection class V-0
Contacts	Brass Alloy
Contact surface at point of contact	Nickel and gold plated (0,25 µm)
Seals / O-Rings	Buna-N standard optional Viton® (FPM / FKM) (Viton is a registered trademark of DuPont)
Temperature range	-40 °C – 125 °C (-40 °F – 257 °F)
Type of contacts	Crimp
Protection	IP 67 / IP 69K per EN 60 529 (connected), NEMA 4x
Cable style	Cable specifications available upon request
Labelling	HUMMEL logo as standard, other options available upon request

Additional Information			
<b>Electrical data see standard program</b>		<b>Inserts and contacts see standard program</b>	
Connectors M 12 Power	page 21	Connectors M 12 Power	page 25
Connectors M 16	page 39	Connectors M 16	page 44
Signal Connectors M 23	page 87	Signal Connectors M 23	page 96
Power Connectors M 23	page 129	Power Connectors M 23	page 135

**Other versions**

Moulded connector cordsets are also available as Stainless-Steel (Inox)-Versions.

# MOULDED CORDSETS

## Moulded Connector Cordsets M 16

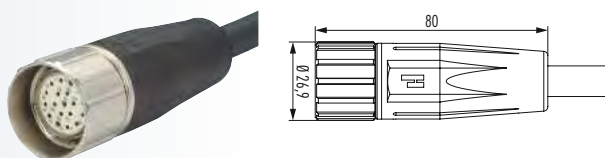
Straight Connector, Female Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets

Right Angle Connector, Female Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets

## Moulded Signal Connector Cordsets M 23

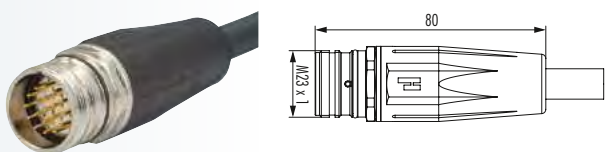
### Straight Connector, Female Thread

Type	Inserts
Standard / EMC .....	Pins or sockets



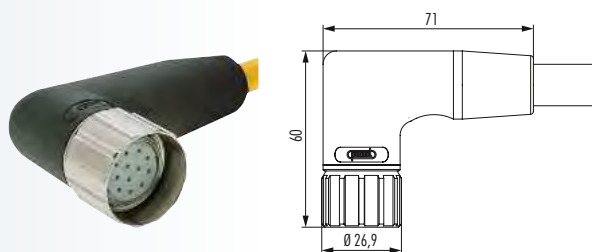
### Straight Connector, Male Thread

Type	Inserts
Standard / EMC .....	Pins or sockets



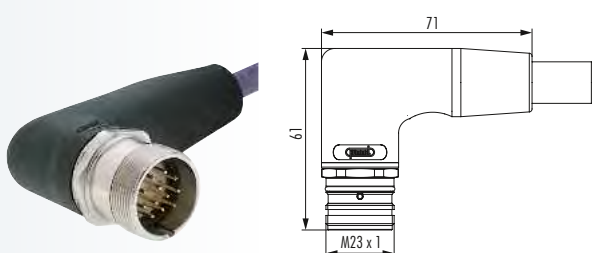
### Right Angle Connector, Female Thread

Type	Inserts
Standard / EMC .....	Pins or sockets



### Right Angle Connector, Male Thread

Type	Inserts
Standard / EMC .....	Pins or sockets



M12

M16

M23 PoE

M23 RJ45

M23 Signal

M27 Signal

M23 Power

M40 Power

INOX

Moulded Cordsets

Customized

# MOULDED CORDSETS

## Moulded Power Connector Cordsets M 23

Straight Connector, Female Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets

Straight Connector, Male Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets

Right Angle Connector, Female Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets

Right Angle Connector, Male Thread	Type	Inserts
	Standard / EMC .....	Pins or sockets



Accessories	Type	Part Number
	<b>Plastic protective cap</b>	
	for connectors M 16 with male thread.....	7.000.980.161
	for connectors M 16 with female thread.....	7.000.980.162
	for connectors M 23 with male thread.....	7.000.900.101
	for connectors M 23 with female thread.....	7.000.900.102
	<b>Brass protective cap</b>	
	for connectors M 16 with female thread.....	7.010.900.163 <sup>1</sup>
	for signal connectors M 23 with female thread.....	7.010.900.103 <sup>1</sup>
	for power connectors M 23 with female thread.....	7.010.900.183 <sup>1</sup>
	<b>Brass protective cap</b>	
	for connectors M 16 with male thread.....	7.010.900.162
	for connectors M 23 with male thread.....	7.010.900.102
	<b>Brass protective cap with chain</b>	
	for connectors M 16 with female thread	
	Length 70 mm.....	7.010.950.705 <sup>1</sup>
	for signal connectors M 23 with female thread	
	Length 70 mm.....	7.010.950.703 <sup>1</sup>
	Length 100 mm.....	7.010.951.003 <sup>1</sup>
for power connectors M 23 with female thread		
Length 70 mm.....	7.010.950.783 <sup>1</sup>	
Length 100 mm.....	7.010.951.083 <sup>1</sup>	
	<b>Brass protective cap with chain</b>	
	for connectors M 16 with male thread	
	Length 70 mm.....	7.010.950.704
	for connectors M 23 with male thread	
Length 70 mm.....	7.010.950.702	
Length 100 mm.....	7.010.951.002	

<sup>1</sup> no compatibility with TWILOCK



## Customized

### Hybrid Connector for Compressed Air



To place lines for compressed air and electrical signals in one single connection, a hybrid connector M 23 combines different types of contacts in one insert.

### Bulkhead Connector



Bulkhead connectors accept plugs on both sides. They are rugged, liquid tight and available in all number of poles.

### Coloured Overmould



Completing a design or showing technical functions, overmould could be made in different colours too (e.g. DESINA green RAL 6018).

### MULTI Seal Connector



A large selection of standard MULTI seal inserts allow strain relief of several individual conductors on one single connector.



### Flexible Cable Protection



In addition to the integrated strain relief, the flex nut adds kink protection to a cable — available for all connector sizes.

### Hybrid connector with multi insert



With the multi insert it is possible to set a ethernet and a power cable into one connector. The connection achieves the protection class IP 67.

### 12-point hex and knurled nut



This special nut makes connection simple by either tightening the connector manually (knurled nut) or with a wrench (12-point hex).

### Conduit Attachment



Flexible corrugated conduit can be attached to a connector with an adapter offering strain relief and cable protection as well.

## Customized

### Connector with specific pull-out resistance



After reaching a certain pull-out force the connection releases preventing damage to the device (apparatus).

### Bulkhead Fitting



This fitting with oversized flange is commonly used in the ship building industry where Signal Connections have to be maintained under extreme conditions.

### Distribution-box



Distribution-boxes are known as important components for applications in automation. Robust and fully wired they are done according to customers specification.

### ANACONDA Conduit Adapter



HUMMEL offers custom adapters for ANACONDA conduit systems in hazardous locations.