

### Technical Data

#### RoHS

#### Panel connector



#### Cable connector



#### Coupler connector



Panel connector, cable connector  
and coupler connector

rectangular housing

#### Locking

screw up the knurled ring on the cable connector 1/6 of a turn on the panel connector barrel,  
for frequent locking and unlocking

#### Protection

IP 50 to IP 54 with conexil in the housing with flat-gasket for panel connector

#### Contacts

3 to 17 contacts  $\varnothing$  2 mm –  $\varnothing$  3 mm –  $\varnothing$  4 mm non-removable solder contacts

#### Max. current

15 A  $\varnothing$  2 mm – 35 A  $\varnothing$  3 mm – 50 A  $\varnothing$  4 mm

#### Contact resistance between pin and socket

< 1,5 m $\Omega$   $\varnothing$  2 mm – < 1 m $\Omega$   $\varnothing$  3 mm – < 0,7 m $\Omega$   $\varnothing$  4 mm

#### Breakdown voltage between adjacent contacts

> 2500 Volts (RMS)

#### Breakdown voltage between peripheral contacts and ground

> 1500 Volts (RMS), (> 2000 Volts (RMS) 4 contacts  $\varnothing$  4 mm)

#### Insulation resistance

> 5000 M $\Omega$

#### Operating temperature

-40 °C to +100 °C (500 hours at +125 °C)

#### Materials

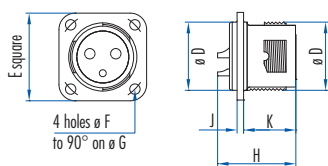
Nickel-plated light alloy, silver-plated brass contact, PBT insert  
except contacts diameter 4 mm which are gold-plated brass

#### Max. cross-section of soldered conductors

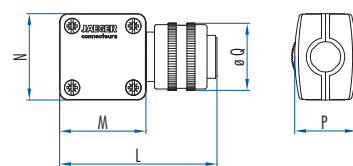
1,34 mm<sup>2</sup>  $\varnothing$  2 mm – 3,18 mm<sup>2</sup>  $\varnothing$  3 mm – 5,26 mm<sup>2</sup>  $\varnothing$  4 mm

### Dimensional Data

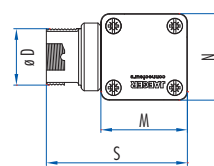
#### Panel connector



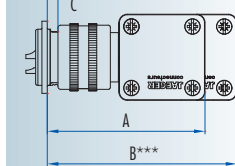
#### Cable connector



#### Coupler connector



#### Cable connector – Panel connector assembly



Housing	Number of Contacts	Assembly			Male panel connector					Female cable connector – Male coupler connector					Assembly			Female panel connector					Male cable connector – Female coupler connector										
		A	B	C	$\varnothing$ D	E	$\varnothing$ F	$\varnothing$ G	H	J	K	L	M	N	P	$\varnothing$ Q	S	A	B	C	$\varnothing$ D	E	$\varnothing$ F	$\varnothing$ G	H	J	K	L	M	N	P	$\varnothing$ Q	S
1	3-4-6	64	73	4	21	27	3,2	28	24,8	2	12,5	57	32,2	32,2	20,2	25	51	65	76	4	21	27	3,2	28	25	2	16	57	32,2	32,2	20,2	25	51
2	4	68	79	4	27	32	3,2	34	29	2	12,5	63	36,4	36,4	23,5	32	55	72	82	4	27	32	3,2	34	31	2	16	63	36,4	36,4	23,5	32	55
2	8-12	68	79	4	27	32	3,2	34	24	2	12,5	63	36,4	36,4	23,5	32	55	72	82	4	27	32	3,2	34	24	2	16	63	36,4	36,4	23,5	32	55
3	17	75	78	4	39	43	4,2	48	22,5	2	12,5	65	42,6	47,6	31,3	44	61	67	78	4	39	43	4,2	48	26	2	12	63	42,6	47,6	31,3	44	61

\*\*\* B: minimum disconnection distance

### Part Number

Housing	1	1	1	2	2	2	3
<b>Number of Contacts</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>17</b>
L ø 2 mm	1	4	6		6	12	15
L ø 3 mm	2				2		2
L ø 4 mm				4			

#### Male panel connectors – Female cable connectors – Male coupler connectors

Square male panel connector	536 003 006	536 004 006	536 006 006	533 755 006	536 008 006	536 012 006	536 367 006
Female cable connector	532 003 006	532 004 006	532 006 006	530 755 006	532 008 006	532 012 006	532 367 006
Male coupler connector	532 103 006	532 104 006	532 106 006	530 752 006	532 108 006	532 112 006	530 117 006
Type 3 cable clamp	630 135 006	630 135 006	630 135 006	630 138 006	630 138 006	630 138 006	630 155 006
Flat-Gasket for panel connector (pack of 10)	536 945 006	536 945 006	536 945 006	536 946 006	536 946 006	536 946 006	536 947 006
Protective cap for panel connector	536 910 006	536 910 006	536 910 006	536 911 006	536 911 006	536 911 006	536 846 006
Protective cap for female cable connector	532 260 006	532 260 006	532 260 006	532 278 006	532 278 006	532 278 006	532 218 006
Protective cap for coupler connector	536 910 606	536 910 606	536 910 606				
Housing for panel connector	536 935 006	536 935 006	536 935 006	536 937 006	536 937 006	536 937 006	536 996 006

#### Female panel connectors – Male cable connectors – Female coupler connectors

Square female panel connector	"536 603 006	"536 604 006	"536 606 006	"533 760 006	"536 608 006	"536 612 006	536 368 006
Male cable connector	532 653 006	532 654 006	532 656 006	530 754 006	532 658 006	532 662 006	532 368 006
Female coupler connector	"530 153 006	"530 154 006	"530 156 006	"530 753 006	"530 158 006	"530 162 006	530 167 006
Type 3 cable clamp	630 135 006	630 135 006	630 135 006	630 138 006	630 138 006	630 138 006	630 155 006
Flat-Gasket for panel connector (pack of 10)	536 945 006	536 945 006	536 945 006	536 946 006	536 946 006	536 946 006	536 947 006
Protective cap for panel connector	536 910 006	536 910 006	536 910 006	536 911 006	536 911 006	536 911 006	536 846 006
Protective cap for male cable connector	532 265 006	532 265 006	532 265 006	532 279 006	532 279 006	532 279 006	532 218 006
Protective cap for coupler connector	536 910 606	536 910 606	536 910 606				
Housing for panel connector	536 935 006	536 935 006	536 935 006	536 937 006	536 937 006	536 937 006	536 996 006

- For the version with 4 contacts ø 4 mm, contact No. 4 of the panel connector and the coupler connector, which makes the electrical connection before the other 3 contacts and disconnects it after separation, can be used as a ground contact.
- " Square female panel connectors and female coupler connectors are also of the „Standard“ type, page 10 with 3 to 12 contacts.
- " Square female panel connectors are also of the „Waterproof“ type page 22 and the „Waterproof PG“ type page 26 with 3 to 12 contacts.
- Sealable tamper-evident connectors for housings 1 and 2. See: Accessories.
- For assembly, wiring, panel connector installation and contact arrangement instructions, see: Technical guides.
- Other accessories, see: Accessories.

## Contact arrangement

### Standard, Rapid, Waterproof and Hermetic Series

#### Housing 1

3 contacts

1 x  $\varnothing$  2 mm, 2 x  $\varnothing$  3 mm



#### Housing 1

4 contacts

4 x  $\varnothing$  2 mm



#### Housing 1

6 contacts

6 x  $\varnothing$  2 mm



#### Housing 2

4 contacts

4 x  $\varnothing$  4 mm



#### Housing 2

8 contacts

6 x  $\varnothing$  2 mm, 2 x  $\varnothing$  3 mm,



#### Housing 2

12 contacts

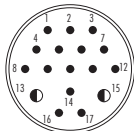
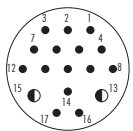
12 x  $\varnothing$  2 mm



#### Housing 3

17 contacts

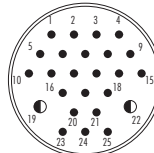
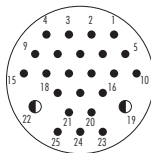
15 x  $\varnothing$  2 mm, 2 x  $\varnothing$  3 mm,



#### Housing 4

25 contacts

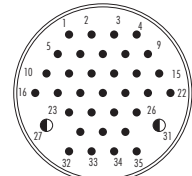
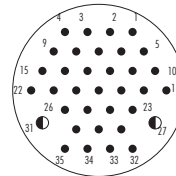
23 x  $\varnothing$  3 mm, 2 x  $\varnothing$  3 mm



#### Housing 5

35 contacts

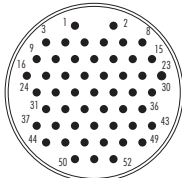
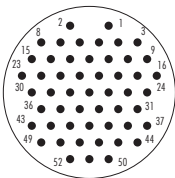
33 x  $\varnothing$  2 mm, 2 x  $\varnothing$  3 mm



#### Housing 5

52 contacts

52 x  $\varnothing$  2 mm



### Identification of the contacts on the solder side

○ Male panel connector  
Male cable connector

● Female panel connector  
Female cable connector

• contact  $\varnothing$  2 mm

● contact  $\varnothing$  3 mm

● contact  $\varnothing$  4 mm