

Accessories – Connectors

Overview of types, connectors EN 60603 (DIN 41612)

Order Information

Description	Number of contacts	Row assignment	Type B	Type C	Type C for ribbon cables	Type R	Type D
Drawing: View of rear of plug							
			05508052 1 piece	05508053 1 piece	05508054 1 piece	05509052 1 piece	05508055 1 piece

Male connector

Solder pins, length 3 mm, 0.6 mm x 0.6 mm; angled	32	a, c	–	69001-826	–	–	69001-831
	64	a, b	69001-801	–	–	–	–
	64	a, c	–	69001-821	–	–	–
	96	a, b, c	–	69001-816	–	–	–

Female connector

Wire-wrap pins, length 13 mm, 0.6 mm x 0.6 mm, straight;	32	a, c	–	69001-691	–	–	–
	64	a, c	–	69001-685	–	–	–
	96	a, b, c	–	69001-679	–	–	–
Wire-wrap pins, length 20 mm, 1 mm x 1 mm, straight;	32	a, c	–	–	–	–	69001-697
Solder pins, length 2.5 mm, Ø 0.6 mm, straight	64	a, b	69001-664	–	–	–	–
	64	a, c	–	69001-693	–	–	–
	96	a, b, c	–	69001-696	–	–	–
Solder pins, length 3 mm, 0.6 mm x 0.6 mm, angled	64	a, c	–	–	–	69001-976	–
	96	a, b, c	–	–	–	69001-728	–
Solder pins, length 4 mm, Ø 0.6 mm, straight	64	a, c	–	69001-678	–	–	–
	96	a, b, c	–	69001-677	–	–	–
Solder eye, length 5.5 mm	32	a, c	–	–	–	–	69001-698
Snap-on/screw-on for 64-pin cable	64	a, c	–	–	69005-596	–	–
Spring contacts for crimping, 0.14 - 0.5 mm ² , 50 pieces			–	–	–	–	21100-293
Spring contacts for crimping, 0.75 - 1.5 mm ² , 50 pieces			–	–	–	–	21100-294
Torx panhead screw M2.5 x 7, PU 100 pieces, for direct mounting on z-rail			24560-147	24560-147	24560-147	24560-147	24560-147

Technical Data

	Type B	Type C	Type C for ribbon cables	Type R	Type D
Connector pitch	2.54 mm	2.54 mm	2.54 mm	2.54 mm	5.08 mm
Current load max. at 20 °C	2 A	2 A	1 A	2 A	6 A
Test voltage U _{eff} contact-contact	1 kV	1 kV	1 kV	1 kV	1.55 kV
Test voltage U _{eff} contact-earth	1.55 kV	1.55 kV	–	1.55 kV	1.55 kV
Contact resistance	≤ 20 mΩ	≤ 20 mΩ	–	≤ 20 mΩ	≤ 20 mΩ
Coding on the connector	–	–	–	–	–
Separate coding	yes	yes	yes	yes	yes
Contact surface	solidly gold-plated	solidly gold-plated	solidly gold-plated	solidly gold-plated	solidly gold-plated
Air gap contact-contact	>1.2 mm	>1.2 mm	–	>1.2 mm	>1.6 mm
Creepage distances contact-contact	>1.2 mm	>1.2 mm	–	>1.2 mm	>3.0 mm
Insertion and withdrawal forces	32-pin < 30 N; 64-pin < 60 N; 96-pin < 90 N		64-pin < 60 N	64-pin < 60 N; 96-pin < 90 N	32-pin < 40 N

Note

- Connectors are compliant with requirements class 2



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