

Accessories – Connectors

Overview of types, connectors EN 60603 (DIN 41612)

Order Information

Description	Number of contacts	Row assignment	Type E	Type F	Type G	Type H	Mixed type (M), type F and type H
Drawing: View of rear of plug							
			1 piece	1 piece	1 piece	1 piece	1 piece

Male connector

Solder pins, length 2.9 mm, 0.6 mm x 0.6 mm; angled	32	z, b	–	69001-851	–	–	–
	32	z, d	–	69001-853	–	–	–
	48	a, c, e	69001-879	–	–	–	–
	48	z, b, d	–	69001-846	–	–	–
Solder pins, length 3 mm, 1.2 mm x 0.8 mm; angled; connector pins not protruding	64	z, b, d, f	–	–	69001-856	–	–
	15	z, d	–	–	–	69001-865	–
Solder pins, recessed, length 2.9 mm, 1.2 mm x 0.8 mm; angled	15	z, d	–	–	–	69001-860	–
FASTON connector 6.3 mm x 0.8 mm; straight	15	z, d	–	–	–	69001-866	–
Solder pins, length 2.9 mm, FØ 0.6 mm, H Ø 1.6 mm; angled	24+7-pin	z, b, d	–	–	–	–	69001-905

Female connector

Wire-wrap pins, length 22 mm, 1 mm x 1 mm; straight	32	z, b	–	69001-717	–	–	–
	48	a, c, e	69001-877	–	–	–	–
	48	z, b, d	–	69001-711	–	–	–
	64	z, b, d, f	–	–	69001-723	–	–
F: Wire-wrap pins, length 22 mm, 1 mm x 1 mm; H: FASTON connector 6.3 mm x 0.8 mm; straight	24+7-pin	z, b, d	–	–	–	–	69001-755
Solder pins, length 4 mm, 0.8 mm x 0.8 mm; straight	15	z, d	–	–	–	69001-981	–
Solder pins, length 4.5 mm, 0.4 mm x 0.6 mm; straight	48	z, b, d	–	69001-884	–	–	–
Solder pins, length 10 mm, 0.8 mm x 0.8 mm; straight	15	z, d	–	–	–	69001-980	–
Wiring with FASTON connector 6.3 mm x 0.8 mm; straight	15	z, d	–	–	–	69001-733	–
Solder eyes, length 9.5 mm	32	z, b	–	69001-718	–	–	–
	32	z, d	–	69001-722	–	–	–
	48	z, b, d	–	69001-712	–	–	–
F: Solder eyes; H: FASTON connector 6.3 mm x 0.8 mm; straight	24+7-pin	z, b, d	–	–	–	–	69001-944
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

Technical Data	Type E	Type F	Type G	Type H	Mixed type (M), type F and type H	
					5.08 mm	10.16 mm
Connector pitch	5.08 mm	5.08 mm	5.08 mm	10.16 mm	5.08 mm	10.16 mm
Current load max. at 20 °C	6 A	6 A	6 A	15 A	6 A	15 A
Test voltage U _{eff} contact-contact	1.55 kV	1.55 kV	1.55 kV	3.10 kV	1.55 kV	3.10 kV
Test voltage U _{eff} contact-earth	1.55 kV	2.50 kV	2.50 kV	3.10 kV	2.50 kV	3.10 kV
Contact resistance	≤ 20 mΩ	≤ 20 mΩ	≤ 20 mΩ	≤ 8 mΩ	≤ 20 mΩ	≤ 8 mΩ
Coding on the connector	–	–	–	yes	–	–
Separate coding	yes	yes	yes	yes	yes	yes
Contact surface	solidly gold-plated	solidly gold-plated	solidly gold-plated	hard silver-plated	solidly gold-plated	hard silver-plated
Air gap contact-contact	>1.6 mm	>1.6 mm	>1.6 mm	>4.5 mm	>1.6 mm	>4.5 mm
Creepage distances contact-contact	>3.0 mm	>3.0 mm	>3.0 mm	>8.0 mm	>3.0 mm	>8.0 mm
Insertion and withdrawal forces	48-pin < 75 N	32-pin < 50 N 48-pin < 75 N	64-pin < 100 N	15-pin < 90 N	24+7-pin < 85 N	

Note

- Connectors are compliant with requirements class 2