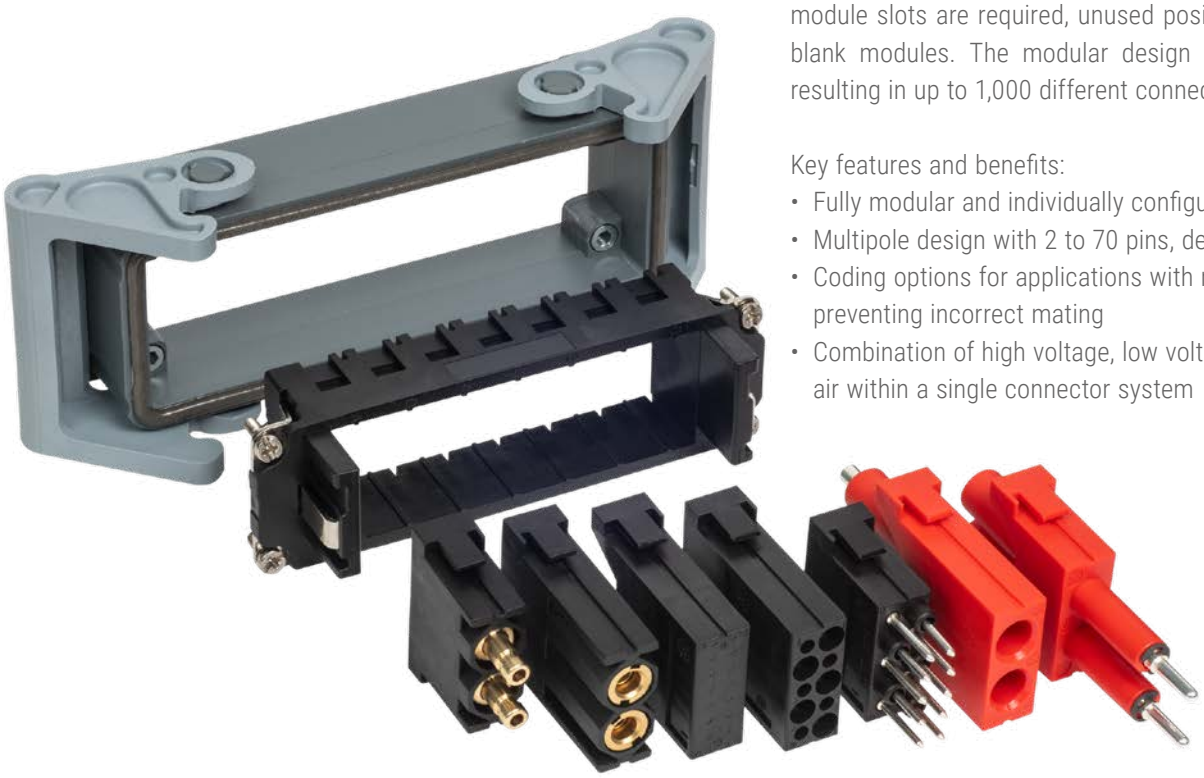
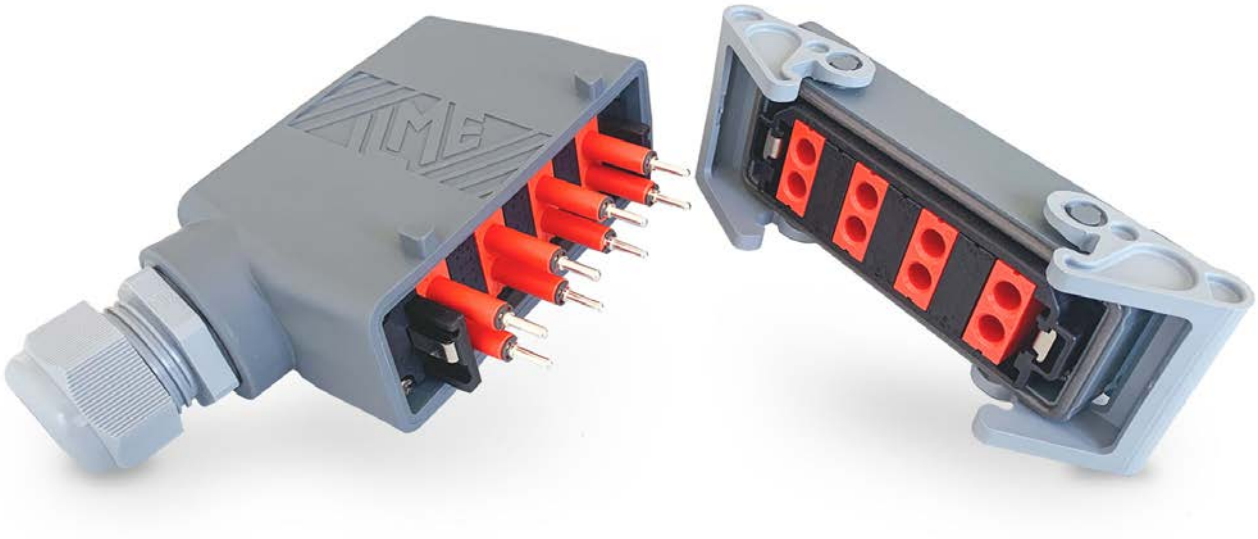
High Voltage Connectors
Series 22

These modular high-voltage connectors are designed for operating voltages of up to 12 kVDC and currents of up to 30 A. The plug and socket housings can accommodate up to seven modules, with each high-voltage module featuring two pins. In addition, modules for compressed air with two connections as well as modules for mains or control voltages with ten pins are available.If not all seven module slots are required, unused positions can be closed using blank modules. The modular design allows free configuration, resulting in up to 1,000 different connector combinations.

Key features and benefits:

- Fully modular and individually configurable
- Multipole design with 2 to 70 pins, depending on configuration
- Coding options for applications with multiple connectors, preventing incorrect mating
- Combination of high voltage, low voltage, and compressed air within a single connector system





		High Voltage Connectors Series 22				
		Plug Version		Socket Version		
Housing and Frame	Grommet Housing	Side outlet (TG 22)	Rear outlet (TG 23)	Side outlet (TG 22)	Rear outlet (TG 23)	
	Built-in Housing	(FG 22)		(FG 22)		
	Module Frame	Frame Plug (ST 22)		Frame Socket (BU 22)		
Fittings	Cable / Hose	Cable gland (TG 22-k)	Hose fitting (TG 22-s)	Cable gland (TG 22-k)	Hose fitting (TG 22-s)	
Plugs and Sockets	Module Up to 7 modules selectable	High-voltage Plug (ST 22-h)		High-voltage Socket (BU 22-h)		2 poles Solder connection Connection cross-section: max. 2.5 mm² / AWG14 Test voltage: 18 kVDC Operating voltage: 12 kVDC Max. Current: 30 AAC
		Mains voltage Plug (ST 22-n)		Mains voltage Socket (BU 22-n)		10 poles Solder connection Test voltage: 400 V Max. Current: 16 AAC
		Pneumatic Plug (ST 22-p)		Pneumatic Socket (BU 22-p)		2 poles Hose connection Hose diameter (inside): 4 mm Operating pressure: 8 bar
		Blank insert Plug (ST 22-x)		Blank insert Socket (BU 22-x)		
Fittings	Optional for ST 22-n / BU 22-n	10 pieces Plug connector (KS 22-e)		10 pieces Socket connector (BB 22-e)		Connection cross-section: 0.14 - 2.5 mm² / AWG26 - AWG14