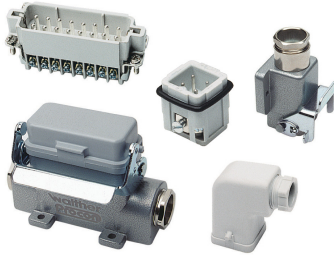


Series A, 3-32 poles + earth



- 3- & 4-pole miniature connectors with plastic or aluminium casing
- 10-32-pole connectors with aluminium casing
- For fast and secure connection
- Supportive locking, fixed screws
- Note! Bushing seals delivered separately

Operation

Multi-pole connections are most often used for secure, tight connection of machines and switchgear, the different parts of a machine and for connecting actuators to one another. Using multi-pole connectors, more flexible connections are achieved between the various parts of a machine than if the parts were firmly fixed to one another. For example, a motor's gears, machine cleaning, and wash/rinse are done easily when the machine's parts can be separated from one another. The connectors are designed to withstand numerous connections and disconnections as well as nicks and dents, temperature variations and mechanical strain such as are found in hard industrial use.

A connector always consists of four parts: Plug and socket parts (generally screw connectors, but compressible also available) as well as casings' upper and lower parts. The socket or female connection is used on the current supply side and the plug or male part on the current reception side. By the upper part of a casing is generally meant a case, equipped with a bushing seal, coming in to the end of a cable; and by lower part, a so-called frame housing, which is installed on the device's frame either as a surface mount or directly through the surface.

The poles of the plug and socket are numbered, and the screw connections are equipped with a flange that also allows the use of wires without bushings.

Numerous different versions of casings can be found: different cable output directions, heights, feedthroughs, etc.

The A series consists of two different categories: Those with 3 and 4 poles are so-called miniature connectors, and they can be had in either plastic or aluminium casings. Those that have 10-32 poles are larger (although smaller than those in the corresponding B series) and they are available only in an aluminium casing. The A series is narrower than the B series. The most notable electrical difference compared to the B series is voltage resistance, which in the A series 10-32-pole connectors is 250V.

How do you find the right parts for your connector complex?





- 1) Choose the fitting contact bases: screwable or compressible pin-equipped male and female (both fit in both the upper and lower parts of the casing)
- 2) Choose the suitable lower part of the casing: with the open base of the frame connector, for surface mounting or the lower part on the cable. If necessary, equipped with a protective cover.
- 3) Choose the upper part of the casing: cable output from either the short side (generally in vertical installations) or the long side.
- 4) Choose suitable bushings, NOT DELIVERED WITH CASINGS! Casings for larger bushings also available.

Technical data


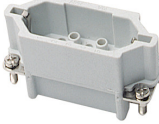
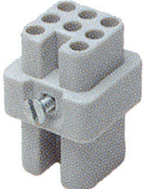

Casings	3 & 4-pole (plastic)	3 & 4-pole + 10-32-pole (metal)		
Casing material	Fibreglass-reinforced polyamide	Powder-coated aluminium		
Locks	Polyamide	Zinc-coated steel		
Bushing	NBR	NBR		
Operating temperature	-40°C...+125°C	-40°C...+125°C		
Covering	IP65	IP6		
Pins				
Material	Copper alloy			
Coating	3µm silver-plating (standard) 2µm gold-plating (option)			
Resistance	<1mΩ			
Max. tightening torque (screwed pins)				
3 & 4-pole	0.25 Nm			
10-32-pole	0.5 Nm			
Max. wire sizes				
3 & 4-pole	1.5mm ² (screwed pins) 0.14-2.5mm ² (compressible pins)			
10-32-pole	2.5mm ² (screwed pins with flange) 0.14-2.5mm ² (compressible pins)			
Contact bases				
Material	Fibreglass-reinforced polyamide			
Operating temperature	-40°C...+125°C			
Mechanical lifetime	Over 500 connections/disconnections			
Currents and voltages				
	3-4-pole screwec	7-pole compressible	10-32-pole screwed	15-50-pole compressible
Current	10 A	10 A	16 A	10 A
Voltage	400 V (wire-wire) 230 V (wire-earth)	250 V (only for plastic casings)	250 V	250 V

Contact bases



Contact bases with screwed pins

	Number of poles	3	4	Number of poles	10	16	32
Male	Order number	700203	700204	Male	700210	700216	700216+ 700232
	Measurements L x W x H (mm)	21x21x25	21x21x31		56.5x22,8x32	73x22,8x32	73x48x29
Female	Order number	700103	700104	Female	700110	700116	700116+ 700132
	Measurements L x W x H (mm)	21x21x30	21x21x30		56.5x22,8x29	73x22,8x29	73x48x32

Contact bases with compressible pins





	Number of poles	7	Number of poles	15	25	50
Male	Order number	720407	Male	720415	720425	720425+ 720425
	Measurements L x W x H (mm)	21x21x30.2		56.5x22.8x31.5	73x22.8x31.5	73x48x34.5
Female	Order number	720307	Female	720315	720325	720325+ 720325
	Measurements L x W x H (mm)	21x21x31.8		56.5x22.8x32.5	73x22.8x34,5	73x48x31.5

Pins for wires












	Wire size	0.14-0.37 mm ²	0.5 mm ²	0.75-1 mm ²	1.5 mm ²	2.5 mm ²
Male	Order number	720516	720517	720518	720519	720512
	Order number	720506	720507	720508	720509	720502
Female						
						

Casings

Upper parts of casings

	Number of poles	3/4 aluminium casing	3/4 aluminium casing	10	16	32
	Low Measurements	Order no. 702603OMM	Order no. 700624OMM	Order no. 702610OMM	Order no. 702616OMM	
	L x W x H (mm)/ bushing	26.5x26.5x48/ M20	26.5x26.5x48/ M20	63x29.5x53/ M20	79.5x29.5x58/ M20	
	Low Measurements			Order no. 708610OMM	Order no. 708616OMM	Order no. 708032OMM
	L x W x H (mm)/ bushing			63x29.5x66/ M20	79.5x29.5x72/ M20	82x56x76/ M25
	Low Measurements	Order no. 702803OMM	Order no. 700625OMM	Order no. 702810OMM	Order no. 702816OMM	
	L x W x H (mm)/ bushing	26.5x26.5x48/ M20	26.5x26.5x48/ M20	63x29.5x53/ M20	79.5x29.5x58/ M20	
	Low Measurements			Order no. 708810OMM	Order no. 708816OMM	Order no. 708232OMM
	L x W x H (mm)/ bushing			63x29.5x66/ M20	79.5x29.5x72/ M20	82x56x76/ M25

Bottom parts of casing

	Number of poles	3/4 aluminium casing	3/4 aluminium casing		10	16	32
	To frame Measurements L x W x H (mm)/ bushing	Order no. 701403OVM 24x24x40.5/ M20	Order no. 700620OVM 24x24x40.5/ M20		Order no. 704310 81x30.5x26	Order no. 704316 96x30.5x26	Order no. 704132 102x57x28
	To frame Measurements L x W x H (mm)	Order no. 704303 28x38x24	Order no. 700621 28x38x24		Order no. 704410 81x30.5x26	Order no. 704416 96x30.5x26	
	To frame Measurements L x W x H (mm)/ bushing	Order no. 704403 28x40x24			Order no. 701410OVM 93x50x52/ 1xM20 Order no. 701510OVM 93x50x52/ 2xM20	Order no. 701416OVM 109.5x50x57/ 1xM20 Order no. 701516OVM 109.5x50x57/ 2xM20	Order no. 701832OVM 106x59x81.5/ 1xM32 Order no. 707132OVM 106x59x81.5/ 2xM32
	To frame Measurements L x W x H (mm)/ bushing	Order no. 704503 24x24x40.5	Order no. 700622 24x24x40.5		Order no. 701610OVM 93x50x52/ 1xM20 Order no. 701710OVM 93x50x52/ 2xM20	Order no. 701616OVM 109.5x50x57/ 1xM20 Order no. 701716OVM 109.5x50x57/ 2xM20	
	To cable Measurements L x W x H (mm)/ bushing	Order no. 703803OVM 26.5x26.5x51.5/ M20	Order no. 700623OVM 26.5x26.5x51.5/ M20		Order no. 703810OVM 63x29.5x48/ M20	Order no. 703816OVM 79.5x29.5x53/ M20	Order no. 703732OVM 82x56x78/ M32
	To plastic cover with cord Measurements L x W x H (mm)	Order no. 700631 26.5x26.5x17	Order no. 700631 26.5x26.5x17		Order no. 700633 63x32.5x20.5	Order no. 700635 79.5x32.5x20.5	Order no. 700627 82x56x16.5