

www.fischerconnectors.com

This document completes the **AluLite Series catalogue**, which can be found in the Library section of our website.

It gives you technical and ordering information on the multipole contact configurations, available for the Fischer AluLite connectors.

For coax, triax and hybrid configurations, please contact us.

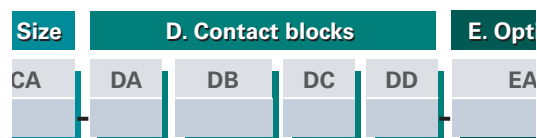
■ Configurator: Contact blocks section

This document helps you to fill in the Contact blocks section of the AluLite Series configurator, especially fields DA, DB and DC.

DA: Each contact configuration is available in A or Z polarity, see explanations below.

DB: For each series/connector size, find the block part number you need in the following pages.

DC: Contact types options depend on the contact configuration selected. See following pages for more information.



DC. Contact type

SR = Solder
CP = Crimp
PB = PCB

DB. Contact configuration

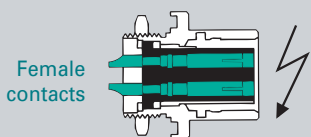
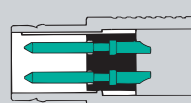
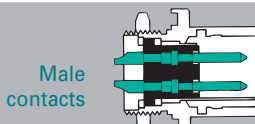
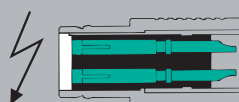
See following pages to find the three-digit number (i.e. **056**, **124**...) corresponding to the contact configuration you need.

DA. Polarity

A = Male contacts on plug or Female contacts on receptacle
Z = Female contacts on plug or Male contacts on receptacle

■ Polarity A and Z

To protect users from contact with dangerous voltages, our contact configurations exist in standard polarity – type A – or inverted polarity – type Z.

	Receptacles	Plugs
TYPE A: Standard Contacts of receptacle are protected. Recommended if voltage comes from the receptacle.		
TYPE Z: Inverted Contacts of plug are protected. Recommended if voltage comes from the plug.		










■ Multipole for 102 Series

	Block part number	Number of contacts			Contact termination for			Test voltage [kV] in mated position				Max. admissible current [A] at 20°C temperature rise	Max. admissible current [A] at 40°C temperature rise
			Contact \varnothing A [mm]	Wire barrel \varnothing B [mm]	Solder	Crimp ¹	PCB	AC rms		DC			
								Contact to Body	Contact to Contact	Contact to Body	Contact to Contact		
	051	2	0.9	0.8	•		•	1.3	1.7	1.8	2.4	6.3	9.2
	052	3	0.9	0.8	•		•	1.3	1.3	1.8	1.6	5.5	8.2
	053	4	0.7	0.6	•	•	•	1.2	1.2	1.7	1.8	3.8	5.5
	054	5	0.7	0.6	•	•	•	0.8	1.0	1.3	1.8	3.6	5.2
	056	7	0.5	0.4	•	•	•	0.8	1.0	1.3	1.8	2.5	3.5
	059	9	0.5	0.4	•		•	0.8	1.1	1.2	1.8	2.2	3.1

Other multipole, coax, triax or hybrid blocks available on request, contact us.




¹ Plugs with crimp contacts must be used with unshielded cable clamp sets only.
For more information on termination: www.fischerconnectors.com/alulite_termination.

■ Multipole for 103 Series

	Block part number	Number of contacts			Contact termination for			Test voltage [kV] in mated position				Max. admissible current [A] at 20°C temperature rise	Max. admissible current [A] at 40°C temperature rise
			Contact \varnothing A [mm]	Wire barrel \varnothing B [mm]	Solder	Crimp	PCB	AC rms		DC			
								Contact to Body	Contact to Contact	Contact to Body	Contact to Contact		
	051	2	1.3	1.2	•		•	1.5	2.2	2.2	3.0	9.0	13.0
	052	3	1.3	1.2	•		•	1.2	1.5	1.8	2.0	8.5	12.0
	053	4	0.9	0.8	•		•	1.2	1.6	2.0	2.4	5.0	7.0
	054	5	0.9	0.8	•	•	•	1.1	1.4	1.9	2.2	4.8	6.8
	056	6	0.7	0.6	•	•	•	1.0	1.3	2.0	2.0	3.5	5.2
	057	7	0.7	0.6	•	•	•	1.0	1.3	2.0	2.0	3.2	5.0
	058	8	0.7	0.6	•		•	0.8	1.1	1.9	1.9	2.5	3.8
	062	12	0.5	0.4	•		•	0.9	1.2	1.8	1.8	1.5	2.0














Other multipole, coax, triax or hybrid blocks available on request, contact us.

■ Multipole for 1031 Series

	010	10	0.7	0.6	•	•	•	1.4	1.5	2.0	2.2	3.2	4.5
	012	12	0.7	0.6	•	•	•	1.4	1.5	2.0	2.2	3.0	4.2
	019	19	0.5	0.4	•	•	•	1.2	0.9	2.0	1.5	1.8	2.5

Other multipole, coax, triax or hybrid blocks available on request, contact us.

■ Multipole for 104 Series














Block part number	Number of contacts			Contact termination for			Test voltage [kV] in mated position				Max. admissible current [A] at 20°C temperature rise	Max. admissible current [A] at 40°C temperature rise
		Contact $\varnothing A$ [mm]	Wire barrel $\varnothing B$ [mm]	Solder	Crimp	PCB	AC rms		DC			
							Contact to Body	Contact to Contact	Contact to Body	Contact to Contact		
 051	2	1.6	1.8	•		•	1.8	2.2	2.8	3.2	15.0	20.0
 040	3	1.6	1.8	•		•	1.6	2.0	2.6	3.0	13.0	18.0
 037	4	1.3	1.2	•		•	1.8	2.2	2.5	3.0	8.0	12.0
 053	5	1.3	1.2	•		•	1.4	1.7	2.4	2.7	7.5	11.0
 065	6	0.9	0.8	•		•	1.7	2.0	2.4	2.6	4.5	6.5
 054	7	0.9	0.8	•		•	1.5	1.8 ¹ 2.1	2.2	2.8	4.5	6.5
 066	8	0.9	0.8	•		•	1.5	1.5	2.5	2.5	4.4	3.2
 055	9	1	1.3	1.2			2.4	2.2	3.8	3.6	8.0	12.0
		8	0.9	0.8	•		•	1.4	1.5	2.0	2.4	4.0
 056	11	0.9	0.8	•		•	1.4	1.5	2.1	2.2	4.0	5.8
 086	16	0.7	0.6	•		•	1.0	1.5	1.6	2.2	2.8	4.0
 092	19	0.7	0.6	•		•	0.8	1.2	1.2	1.8	2.5	3.5
 124 ²	27	0.5	0.4			•	1.3	1.1	2.0	1.6	1.4	2.0

Other multipole, coax, triax or hybrid blocks available on request, contact us.

¹ Test voltages between the contacts, which are the closest to each other.

² Contact configuration 124 is only available in polarity A.

■ Multipole for 105 Series





Block part number	Number of contacts			Contact termination for			Test voltage [kV] in mated position				Max. admissible current [A] at 20°C temperature rise	Max. admissible current [A] at 40°C temperature rise
		Contact ϕ A [mm]	Wire barrel ϕ B [mm]	Solder	Crimp	PCB	AC rms		DC			
							Contact to Body	Contact to Contact	Contact to Body	Contact to Contact		
 051	2	2.0	2.0	•			2.5	3.0	4.0	4.0	18.0	26.0
 087	2	3.0	3.1	•			1.2	1.6	2.3	3.0	20.0	20.0
 052	3	2.0	2.0	•			2.0	2.0	3.0	3.5	16.0	23.0
 053	4	2.0	2.0	•			1.8	1.8	2.6	2.6	14.0	20.0
 054	7	1	2.0 ¹	2.0	•		3.0	2.0	4.0	3.0	19.0	25.0
		6	1.3	1.2			1.8	1.5	2.5	2.0	5.0	7.0
 067	8	1.3	1.2	•			1.7	2.0	2.5	2.8	7.2	10.0
 101²	9	1	2.0 ¹	2.1	•	•	3.0	2.0	4.0	3.0	19.0	25.0
		8	1.3	1.2			1.8	1.5	2.5	2.0	4.0	5.0
 062	10	1.3	1.2	•		•	1.7	2.0	2.5	2.7	6.3	9.0
 069	12	1.3	1.2	•		•	1.4	1.5	1.8	2.0	5.5	8.0
 104	13	3	1.3 ¹	1.2	•		2.5	1.5	3.8	2.2	10.0	14.0
		10	0.7	0.6			1.3	1.5	1.8	2.2	1.0	1.0
 058	15	0.9	0.8	•	•	•	1.4	1.6	1.8	2.2	3.7	5.3
 110	16	4	1.6 ¹	1.8	•	•	1.6	1.3	2.8	2.1	10.0	14.0
		12	0.7	0.6			1.0	1.2	1.5	2.0	0.5	1.0

Other multipole, coax, triax or hybrid blocks available on request, contact us.

¹ The contact with the largest diameter is positioned to make contact first and break last.

² Contact configuration 101 is only available in polarity A.

■ Multipole for 105 Series

	Block part number	Number of contacts			Contact termination for			Test voltage [kV] in mated position				Max. admissible current [A] at 20°C temperature rise	Max. admissible current [A] at 40°C temperature rise
			Contact \varnothing A [mm]	Wire barrel \varnothing B [mm]	Solder	Crimp	PCB	AC rms		DC			
								Contact to Body	Contact to Contact	Contact to Body	Contact to Contact		
	038	18	0.9	0.8	•	•	•	1.4	1.6	1.8	2.2	3.2	4.5
	093	24	0.7	0.6	•		•	1.2	1.5	1.5	2.0	2.5	3.5
	102	27	0.7	0.6	•	•	•	1.2	1.5	1.5	2.0	2.2	3.0

Other multipole, coax, triax or hybrid blocks available on request, contact us.