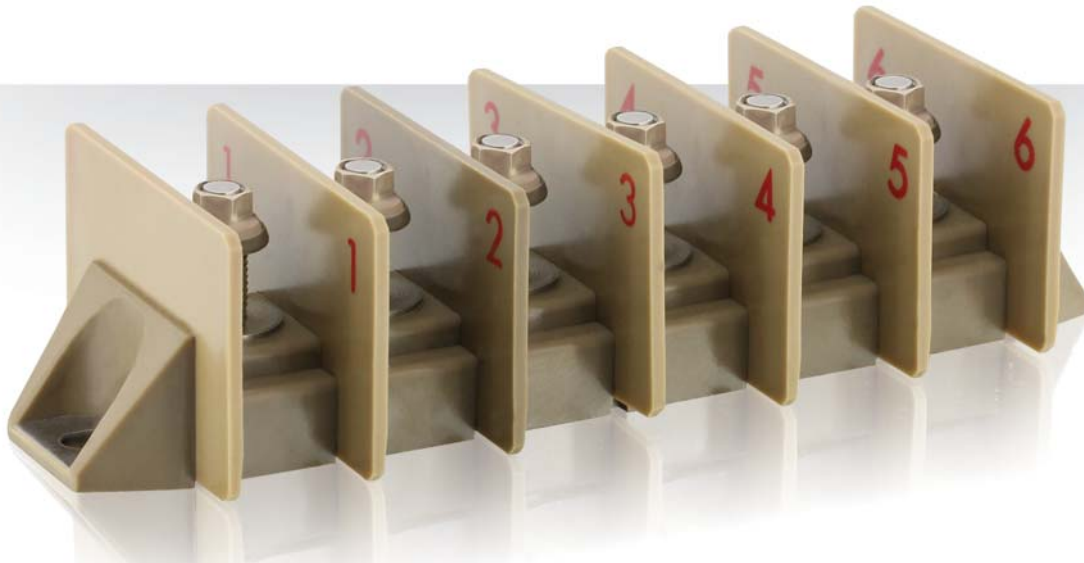




Terminal Blocks for Power Distribution

Distribution of electrical current for aircraft equipment.

Versatility ■ The terminal blocks allow connection from 1 to 12 terminals.
A shunt can link the terminals.

Easy to install ■ Screw mounting.
Covers are available to electrically and mechanically protect the connections.

Flight proven ■ Used on major Airbus programs: A300, A320, A321, A319, A330, A340, A318, A380.

Airbus qualified ■ NSA 937903 / 937904 / 937905 / 937906, ASNE 0421 / 0467.



Description

- The terminal blocks 209 Series allow connection from 1 to 12 terminals
- A shunt can link the terminals
- Covers are available to electrically and mechanically protect the connections
- Technical characteristics following ASNE 0826

Technical features

Mechanical

- **Terminals:** stainless steel
- **Block:** thermoplastic UL 94V0
- **Insulator:** peek
- **Shunt:** nickel over brass
- **Cover:** PTFE
- **Pillar bolt:** stainless steel
- **Vibration:** 3g random 10 to 2000Hz

Electrical

Specification	Working voltage	Current
NSA 937903	400 V	25 A
NSA 937906	600V	100 A
NSA 937905	600V	100A
ASNE 0421	600V	125 A
ASNE 0647	600V	175 A
NSA 937904	600V	210 A
ASNE 0467	600V	210 A*

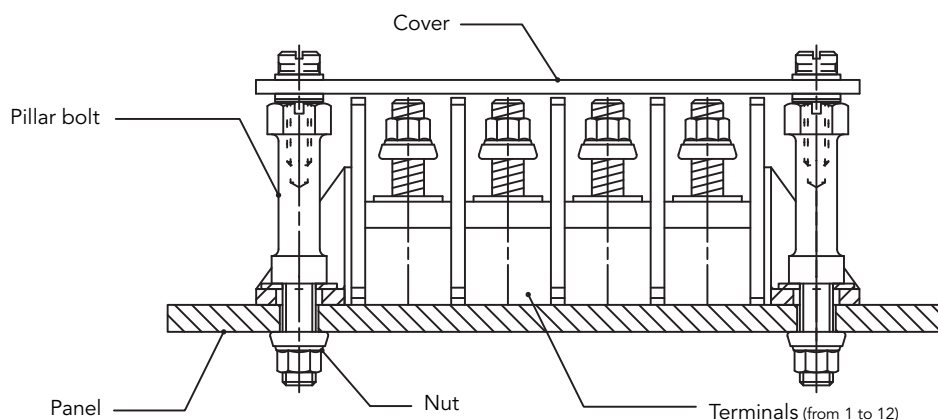
* Indicative current depending on cables and terminals

- **Insulation resistance:** 500 000 MΩ
- **Dielectric rigidity:** 5 kV rms

Environmental

- **Temperature range:**
-55°C to +210°C
+250°C during 4000 hours
Peak at +300°C
- **Resistance to fluids:** Fuel IPS-NATO F44
- **Synthetic hydraulic fluid:**
SAE-Skydrol 500B4
AS1241-Skydrol LD4
- **Mineral lubricant:**
MIL-L 7870A - NATO 0142
- **Synthetic lubricant:**
MIL-L 23699 - NATO 0156
- **Cleaning fluid:** MIL-C 25769 diluted
- **Propanol + white spirit:**
Azeotrope 113 + methanol de-icing fluid
NATO 5742

Terminal block assembly



Ordering information

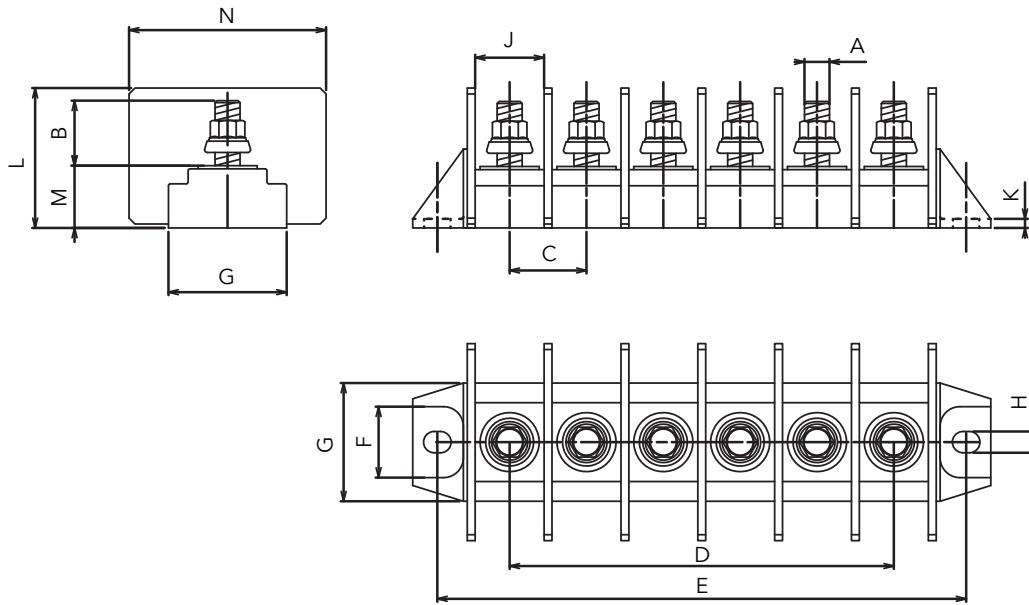
Terminals				Part Numbers					
Number of terminals	Ø	Length	Pitch	Terminal blocks	Cover	Shunt	Pillar bolt	Washer (thickness)	Specification
1	9.52	17.70	28.00	209400U01002	209S4001	-	209D012	-	NSA937904
	9.52	24.00	28.00	209410U01002	209S4001	-	209D009	-	ASNE0467
	9.52	24.00	28.00	209410U01003 (with washer)	209S4001	-	209D009	-	ASNE0467
2	3.50	12.70	9.00	209100U02002	209S1002	209T120	209D008	209D113 (2mm) 209D114 (4mm)	NSA937903
3	9.52	17.70	28.00	209400U03002	209S4003	-	209D012	-	NSA937904
	4.82	23.00	14.50	209210U03002	209S2003	209T121 209T131	209D009	209D116 (9mm)	NSA937905
	9.52	24.00	28.00	209410U03003 (with washer)	209S4003	-	209D009	-	ASNE0467
4	9.52	17.70	28.00	209400U04002	209S4004	-	209D012	-	NSA937904
	4.82	14.00	14.50	209200U04002	209S2004	-	209D010	209D115 (2mm)	NSA937906
5	3.50	12.70	9.00	209100U05002	209S1005	209T120	209D008	209D113 (2mm) 209D114 (4mm)	NSA937903
6	4.82	23.00	14.50	209210U06002	209S2006	209T121 209T131	209D009	209D116 (9mm)	NSA937905
	6.35	16.50	19.50	209300U06002	209S3006	-	209D011	-	ASNE0421
	6.35	25.00	23.50	209311U06002	209S3106	-	209D009	-	ASNE0647
10	4.82	23.00	14.50	209210U10002	209S2010	209T121 209T131	209D009	209D116 (9mm)	NSA937905
12	4.82	23.00	14.50	209210U12002	209S2012	209T121 209T131	209D009	209D116 (9mm)	NSA937905

Cross reference

Designation	Souriau part number	NSA part number
Terminal block (without washer)	209 1 0 0 U 02 002	NSA 937903 A02
	209 1 0 0 U 05 002	NSA 937903 A05
	209 2 0 0 U 04 002	NSA 937906 A04
	209 2 1 0 U 03 002	NSA 937905 A03
	209 2 1 0 U 06 002	NSA 937905 A06
	209 2 1 0 U 10 002	NSA 937905 A10
	209 2 1 0 U 12 002	NSA 937905 A12
	209 3 0 0 U 06 002	ASNE 0421 A06
	209 3 1 1 U 06 002	ASNE 0647 A06
	209 4 0 0 U 01 002	NSA 937904 A01
	209 4 0 0 U 03 002	NSA 937904 A03
	209 4 0 0 U 04 002	NSA 937904 A04
	209 4 1 0 U 01 002	ASNE 0467 A01
	209 4 1 0 U 01 003	ASNE 0467 R01
Terminal block (with washer)	209 4 1 0	ASNE 0467 R03
	209 S 1002	NSA 937903 CA02
Shunt	209 T 120	NSA 937903 SH02
	209 T 121	NSA 937905 SH02
	209 T 131	NSA 937905 SH03

Designation	Souriau part number	NSA part number
Cover	209 S 1005	NSA 937903 CA05
	209 S 2003	NSA 937905 C03
	209 S 2004	NSA 937906 C04
	209 S 2006	NSA 937905 C06
	209 S 2010	NSA 937905 C10
	209 S 2012	NSA 937905 C12
	209 S 3006	ASNE 0421 C06
	209 S 3106	ASNE 0647 C06
	209 S 4001	NSA 937904 C01
	209 S 4003	NSA 937904 C03
	209 S 4004	NSA 937903 C04
Pillar bolt	209 D 008	NSA 937903 E
	209 D 009	ASNE 0647 E
	209 D 010	NSA 937906 E
	209 D 011	ASNE 0421E
Washer	209 D 012	NSA 937904 E
	209 D 113 XE	NSA 937903 F02
	209 D 114	NSA 937903 F04
	209 D 115	NSA 937906 F
	209 D 116	NSA 937905 F

Dimensions



Terminal block Part number	Terminals					D	E	F	G	H	J	K	L	M	N
	Number of terminals	Thread	Ø	Length	Pitch										
			A	B	C										
209400U01002	1	.3750-24UNF	9.52	17.70	28.00	-	45.20	17.00	30.00	5.40	26.00	2.30	35.50	14.50	50.00
209410U01002		.3750-24UNF	9.52	24.00	28.00	-	45.20	17.00	30.00	5.40	26.00	2.30	41.50	14.50	50.00
209410U01003		.3750-24UNF	9.52	24.00	28.00	-	45.20	17.00	30.00	5.40	26.00	2.30	41.50	14.50	50.00
209100U02002	2	.1380-32UNC	3.50	12.70	9.00	9.00	30.50	10.00	14.00	4.00	8.00	1.70	22.50	9.00	17.00
209400U03002	3	.3750-24UNF	9.52	17.70	28.00	56.00	101.20	17.00	30.00	5.40	26.00	2.30	35.50	14.50	50.00
209210U03002		.1900-32UNF	4.82	23.00	14.50	23.00	60.70	17.00	30.00	5.40	12.50	2.30	41.80	15.80	40.00
209410U03003		.3750-24UNF	9.52	24.00	28.00	56.00	101.20	17.00	30.00	5.40	26.00	2.30	41.50	14.50	50.00
209400U04002	4	.3750-24UNF	9.52	17.70	28.00	84.00	129.20	17.00	30.00	5.40	26.00	2.30	35.50	14.50	50.00
209200U04002		.1900-32UNF	4.82	14.00	14.50	43.50	75.20	17.00	30.00	5.40	12.50	2.30	30.10	15.80	40.00
209100U05002	5	.1380-32UNC	3.50	12.70	9.00	36.00	57.50	10.00	14.00	4.00	8.00	1.70	22.50	9.00	17.00
209210U06002	6	.1900-32UNF	4.82	23.00	14.50	72.50	104.20	17.00	30.00	5.40	12.50	2.30	41.80	15.80	40.00
209300U06002		.2500-28UNF	6.35	16.50	19.50	97.50	134.20	17.00	30.00	5.40	17.50	2.30	35.50	15.80	50.00
209311U06002		.2500-28UNF	6.35	25.00	23.50	117.50	158.20	17.00	30.00	5.40	21.50	2.30	41.50	15.80	50.00
209210U10002	10	.1900-32UNF	4.82	23.00	14.50	130.50	162.20	17.00	30.00	5.40	12.50	2.30	41.80	15.80	40.00
209210U12002	12	.1900-32UNF	4.82	23.00	14.50	159.50	191.20	17.00	30.00	5.40	12.50	2.30	41.80	15.80	40.00

Note: All dimensions are in millimeters (mm)

For further information contact us at contactmilaero@souriau.com
or visit our web site www.souriau.com