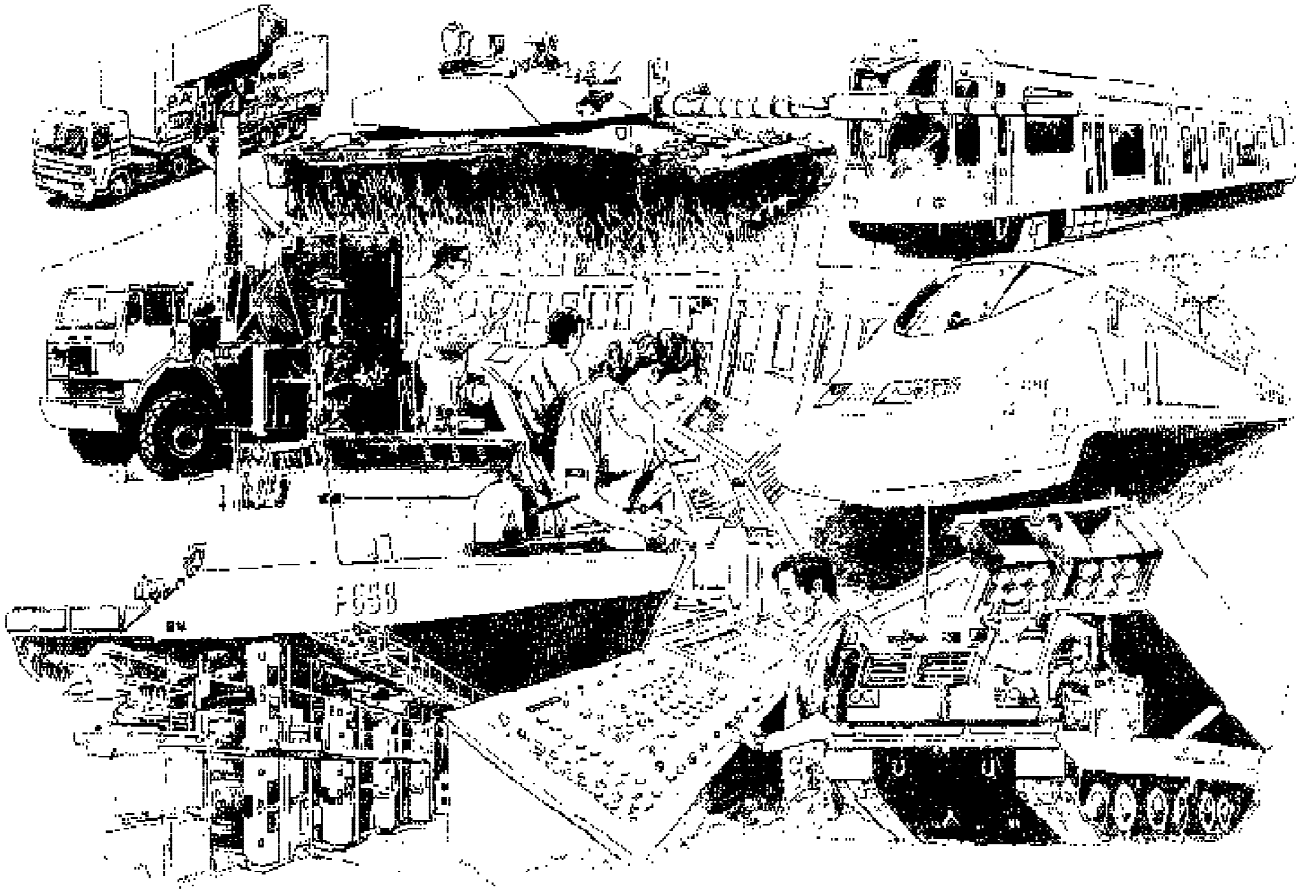
ABB MS Bayonet Connectors
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AB Connectors Limited
ABB MS Bayonet Connectors
Introduction



AB Connectors Limited

AB Connectors are recognised market leaders in the design and manufacture of connectors and interconnection systems for harsh environments where high performance and reliability are mandatory. From the principal site at Abercynon in Wales UK, dedicated assembly facilities in the USA and together with a co-ordinated global sales and distribution network, it is able to offer customers an unrivalled service.

With over 50 years as a pioneer of harsh environment connectors, AB Connectors a company within the TT Group PLC, has through continuous research, product development, extensive test facilities, manufacturing investment and industrial competence, been able to exceed the exacting requirements of the Transportation, Military, Industrial and Commercial markets.

The Company holds Quality Assurance approval to BS EN ISO 9001 and offers a comprehensive standard product range, many of which are qualified to BS9000, CECC and IECQ. From its commitment to the Traction industry, qualifications to TDE77/R/42, RSE/STD/024 are held, along with the use of low toxicity materials that are fully type tested to BS6853 and NF F 16-101.

Working with state-of-art CAD/CAM facilities, rapid prototype techniques and modern CNC equipment, coupled with our strong technical expertise we are able to use the main products as platforms to provide custom engineered solutions, thereby significantly reducing customer development time, costs and risks.

AB Connectors total commitment to providing customers with high levels of service, cost effectiveness, quality and innovative solutions in interconnection products make it the ideal first choice supply partner.

ABB MS Bayonet Connectors

The ABB MS Bayonet Connector series is based on the MS series of connectors which conform to the American Mil-C-5015 specification. Originally developed for aerospace applications, the connectors are now used extensively throughout the military fighting vehicle, commercial land and sea transport, rail transportation, communication and general industrial markets.

ABB MS bayonet connectors are interchangeable with all corresponding MS types and feature identical panel mounting dimensions and contact arrangements. Positive coupling is indicated by an audible 'snap' and visually by the alignment of three coloured orientation spots on the receptacle shell and the coupling nut of the free plug connector.

Protection against dust and water ingress is achieved by using a dynamic sealing under the coupling nut and by using an individual wire seal grommet in the connector back shell assembly. A wavy washer assembly, also situated in the coupling nut and a comprehensive range of back shells and accessories, ensure excellent shell-to-shell continuity and shielding characteristics between mated connectors.

Product approvals include British Standard 9522 F0032 and German standard VG95234. The connectors are also designed to meet the requirement of railway specifications TDE 77/R/42 and RSE/STD/024.

ABB MS bayonet connectors are supplied with aluminium parts plated with cadmium free finishes and with a choice of passivation

ABB MS Bayonet Connectors
Technical Data
Mechanical & Electrical Features

Mechanical Features:

Coupling: 3 pin bayonet.

Number of Contacts: From 1 to 61.

Contact Termination: Crimp or solder.

Sealing: Dynamic sealing ring and individual wire seal grommet.

Matings: 500 minimum.

Earth Grounding: 360^0 wave washer & grounding ring.

Environmental Ratings:

Temperature Range: -55^0C to $+125^0$C. -40C to 190^0C (HTABB)

Waterproof: 1 bar when using sealed accessory.

Shock severity: 75g.

Vibration: 5Hz to 500Hz long endurance. 30 hour test at 10g.

Acceleration: 50g.

Standard Materials:

Connector Metalwork: Aluminium Alloy.

Insulator, Grommet & Bushing: Polychloroprene or Flouro-carbon (HTABB)

Contacts: Copper Alloy.

Accessory Hardware: Aluminium Alloy.

Standard Plating Finishes:

Aluminium Parts: olive drab chromate over zinc cobalt plate.*

*Consult factory for alternative finishes.

Contacts: Silver **or** gold.

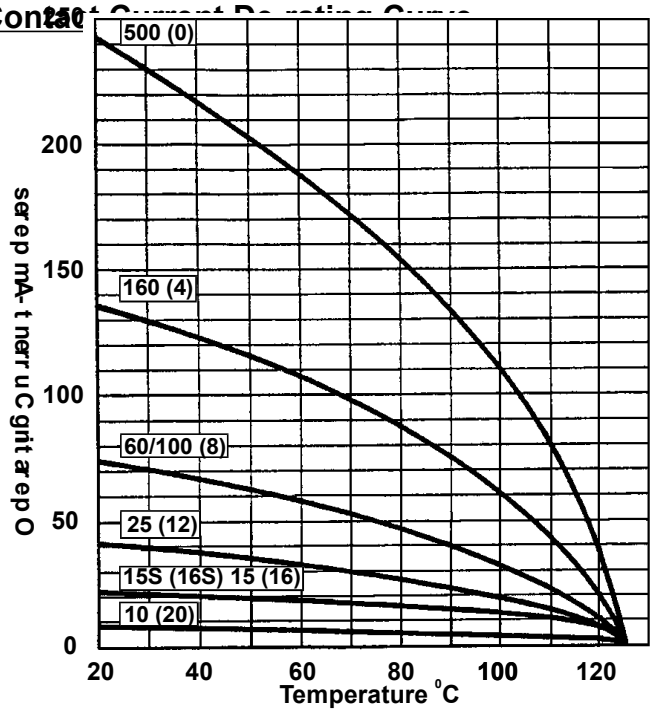
Contact Current Rating:

Contact Size AWG (Metric)	Max Current @ 20^0 C *	Rated Current @ 85^0 C *	De-rated @ 85^0 C **
20 (10)	7.5 amps	5 amps	3 amps
16/16S (15/15S)	22 amps	13 amps	10 amps
12 (25)	41 amps	23 amps	20 amps
8 (100)	73 amps	46 amps	42 amps
4 (160)	135 amps	80 amps	75 amps
0 (500)	245 amps	150 amps	135 amps
0000	500 amps	300 amps	See note

* Single contact in isolation ** Grouped contacts

Note. Consult sales office for further information.

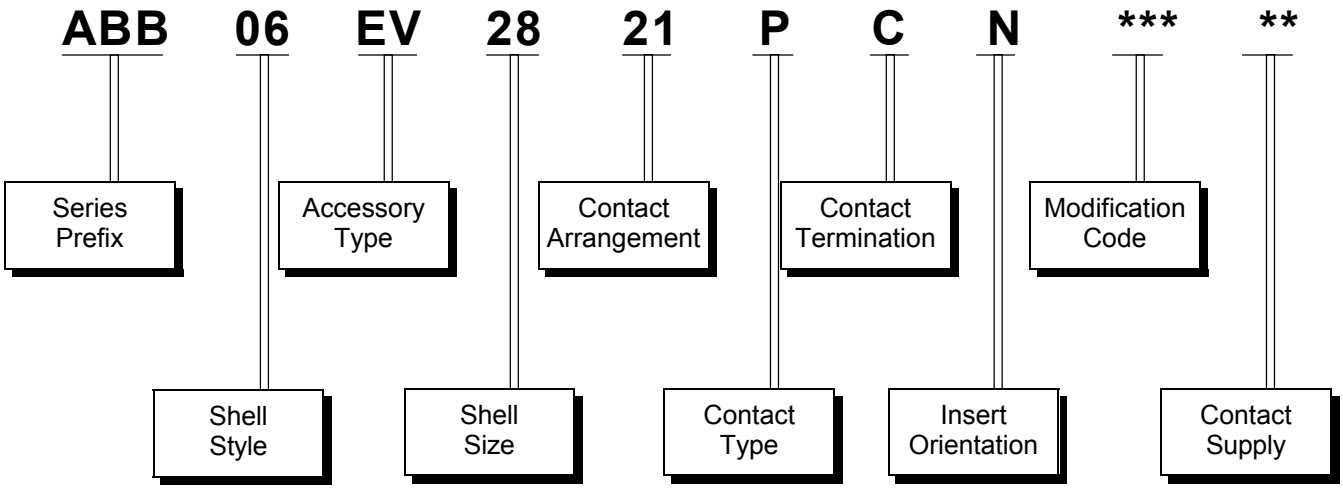
Contact Current Re-rating Curve



Contact Arrangement Service Ratings

Service Rating	Sea Level - Volts			
	Inst.	A	D	E
Working Voltage DC or AC Peak	350	700	1,250	1,750
Voltage Proof AC RMS	1,000	2,000	2,800	3,500
Min. Flashover AC RMS	1,400	2,800	3,600	4,500

ABB MS Bayonet Connectors
Technical Data
Part Number Explanation



Series Prefix: **ABB**

Shell Style: **00 -** Square flange receptacle, front panel munted.

01 - Cable mounted receptacle.

03 - Square flange receptacle, rear panel munted.

06 - Plug with arctic grip coupling nut and RFI grounding.

NS06 - Plug with arctic grip coupling nut, no RFI grounding.

E06 - Plug with fine knurl grip coupling nut.

SE06 - Plug with fine knurl grip coupling nut with RFI grounding.

07 - Through bulkhead receptacle.

08 - Plug with 90^0 angle outlet.

09 - Single hole mounted receptacle.

10 - Panel mounted plug with arctic grip coupling nut.

12 - Panel mounted plug with fine knurl grip coupling nut.

Accessory Type: See relevent catalogue pages.

Shell Size: **10SL to 40**

Contact Arrangement: See pages

Contact Type: **P** pin, **S** socket
H pin/socket assembly for through bulkhead connector style **07**.

Contact Termination: **C** crimp removeable, **S** bonded solder. Omit for bulkhead style **07** (bonded).
See page for printed circuit tail detail.

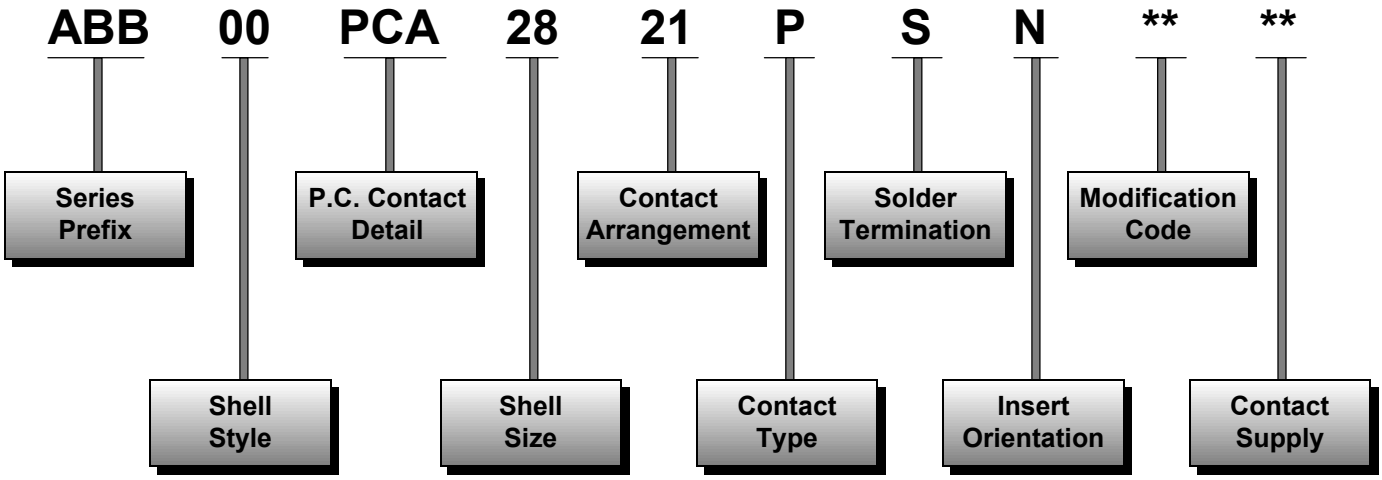
Insert Orientation: **N** normal. Alternative positions **W X Y Z.** See page for detail.

Modification Code: Consult factory.

Contact Supply: Leave blank for connector supplied with silver plated contacts.
Insert **P3** for connector supplied with standard gold plated contacts.
Insert **V0** for connector supplied without contacts.

Note.
The company reserves the right and may change or vary specification without prior written notice.

ABB MS Bayonet Connectors
Technical Data
Part Number Explanation - Printed Circuit (P.C.) Contact



Series Prefix: **ABB** - ABB MS Bayonet

Shell Style: **00 -** Square flange receptacle, front panel munted.

03 - Square flange receptacle, rear panel munted.

09 - Single hole mounted receptacle.

10 - Panel mounted plug with arctic grip coupling nut.

12 - Panel mounted plug with fine knurl grip coupling nut.

P.C. Contact Detail: See page

Shell Size: **10SL to 40**

Contact Arrangement: See pages

Contact Type: **P** pin, **S** socket

Contact Termination: **S** bonded, solder.

Insert Orientation: **N** normal. Alternative positions **W X Y Z.** See page for detail.

Modification Code: Consult factory.

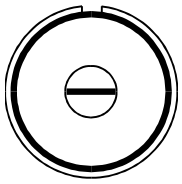
Contact Supply: **00** for connector supplied with silver plated contacts.
01 for connector supplied with solder dipped silver plated contacts.
02 for connector supplied with standard gold platd contacts.
03 for connector supplied with solder dipped standard gold plated contacts.

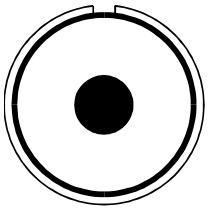
Note.
The company reserves the right and may change or vary specification without prior written notice.

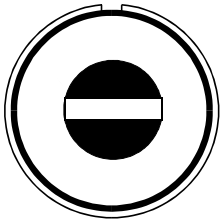
ABB MS Connectors

Contact Arrangements

1 Contact

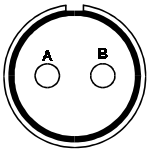






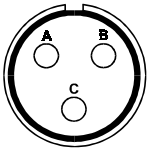
Contact Arrangement	16-12	20-2	24-V1
No. Contacts x Size AWG (Metric)	1 x #4 (160)	1 x #0 (500)	1 x #0000
Service Rating	A	D	A

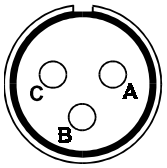
2 Contacts

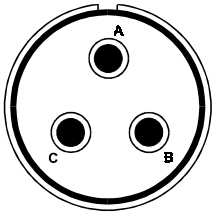


Contact Arrangement	10SL-4
No. Contacts x Size AWG (Metric)	2 x #16S (15S)
Service Rating	A

3 Contacts

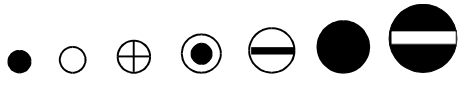






Contact Arrangement	10SL-3	14S-7	22-2 No.
Contacts x Size AWG (Metric)	3 x #16S (15S)	3 x #16S (15S)	3 x #8 (100)
Service Rating	A	A	D

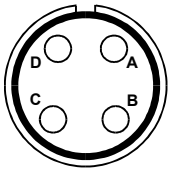
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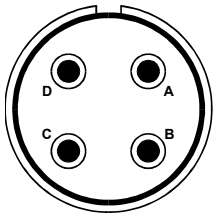


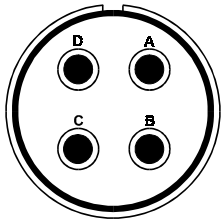
ABBMS Connectors

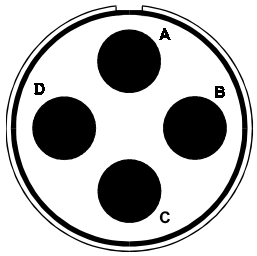
Contact Arrangements

4 Contacts



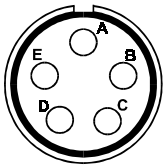


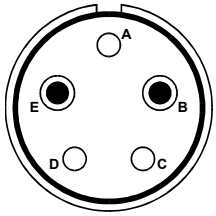


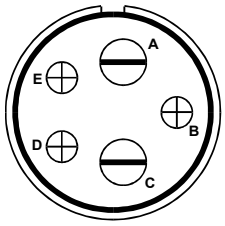


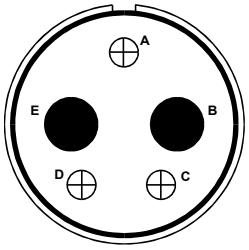
Contact Arrangement	14S-2	22-22	24-22	36-5
No. Contacts x Size AWG (Metric)	4 x #16S (15S)	4 x #8 (100)	4 x #8 (100)	4 x #0 (500)
Service Rating	Inst.	A	D	A

5 Contacts



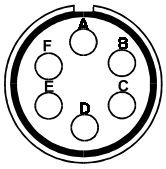


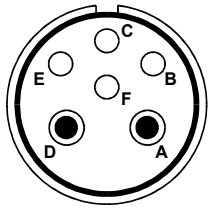


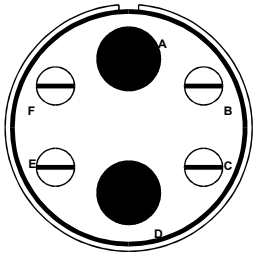


Contact Arrangement	14S-5	22-12	24-12	32-1
No. Contacts x		3 x #16 (15)	3 x #12 (25)	3 x #12 (25)
Size AWG (Metric)	5 x #16S (15S)	2 x #8 (100)	2 x #4 (160)	2 x #0 (500)
Service Rating	Inst.	D	A	E & D

6 Contacts



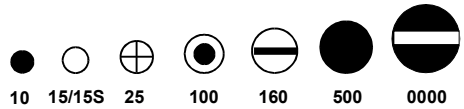




Contact Arrangement	14S-6	20-8	36-6
Contacts x		4 # 16 (15)	4 # 4 (160)
Size AWG (Metric)	6 # 16S (15S)	2 # 8 (100)	2 # 0 (500)
Service Rating	Inst.	Inst.	A

No.

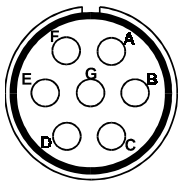
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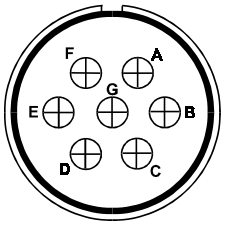


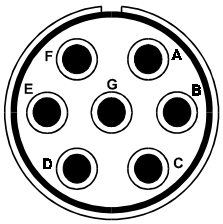
ABBMS Connectors

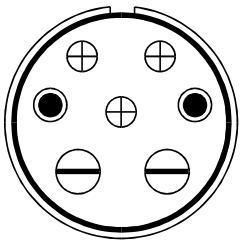
Contact Arrangements

7 Contacts



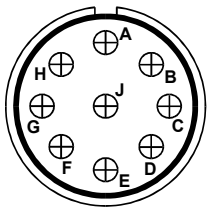


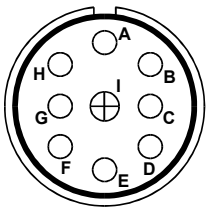


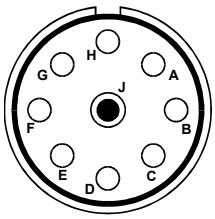


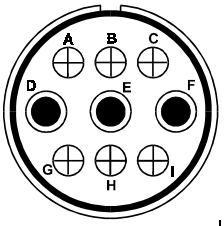
Contact Arrangement	16S-1	24-2	24-10	28-1 0 No.
Contacts x Size AWG (Metric)	7 x #16S (15S)	7 x #12 (25)	7 x #8 (100)	3 x #12 (25), 2 x #8 (100) 2 x #4 (160)
Service Rating	Inst.	D	A	A&D

9 Contacts



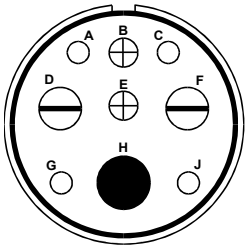






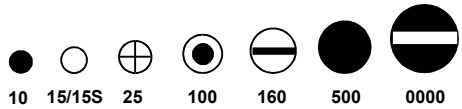
Contact Arrangement	20-A9	20-21	22-27	24-11
No. Contacts x		8 x #16 (15)	8 x #16 (15)	6 x #12 (25)
Size AWG (Metric)	9 x #12 (25)	1 x # 2 (25)	1 x #8 (100)	3 x #8 (100)
Service Rating	D & Inst.	A	A & D	A

9 Contacts



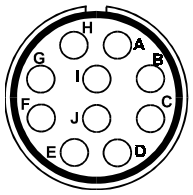
Contact Arrangement	32-3 No.
Contacts x	4 # 16 (15), 2 # 12 (25)
Size AWG (Metric)	2 # 4 (160), 1 # 0 (500)
Service Rating	D

Contact Legend



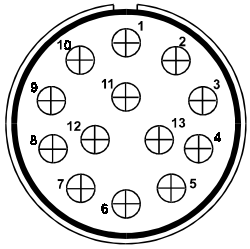
Contact Arrangements

10 Contacts



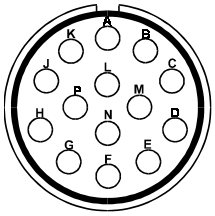
Contact Arrangement	18-1
No. Contacts x Size AWG (Metric)	10 x #16 (15)
Service Rating	A & Inst.

13 Contacts



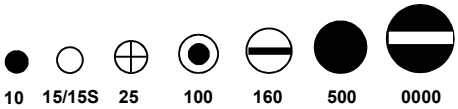
Contact Arrangement	32-A13
No. Contacts x Size AWG (Metric)	13 x #12 (25)
Service Rating	D

14 Contacts



Contact Arrangement	22-19 No.
Contacts x Size AWG (Metric)	14 # 16 (15)
Service Rating	A

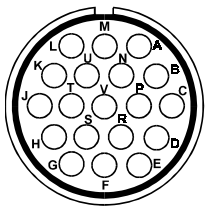
Contact Legend

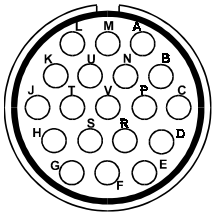


ABBMS Connectors

Contact Arrangements

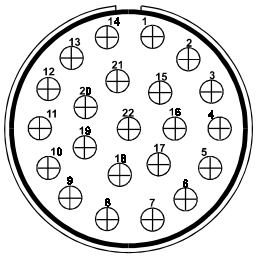
19 Contacts





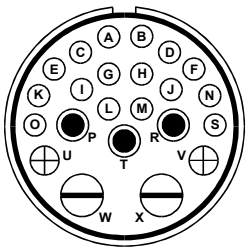
Contact Arrangement	20-A48	22-14
No. Contacts x Size AWG (Metric)	19 x #16 (15)	19 x #16 (15)
Service Rating	Inst.	A

22 Contacts



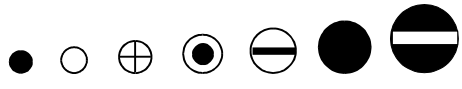
Contact Arrangement	36-A22
No. Contacts x Size AWG (Metric)	22 x #12 (25)
Service Rating	D

23 Contacts



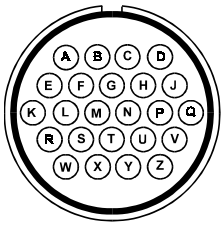
Contact Arrangement	32-6	No.
Contacts x Size AWG (Metric)	16 x #16 (15), 2 x #12 (25) 3 x #8 (100), 2 x #4 (160)	
Service Rating	A	

Contact Legend



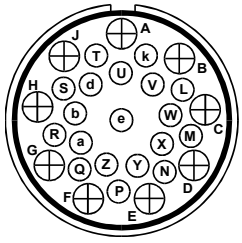
Contact Arrangements

24 Contacts



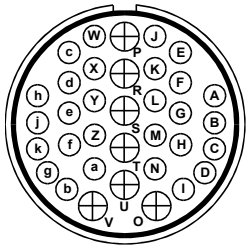
Contact Arrangement	24-28	
No. Contacts x		Size AWG (Metric)
	24 x #16 (15)	
Service Rating	Inst.	

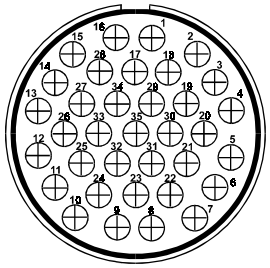
28 Contacts



Contact Arrangement	28-A63
No. Contacts x	19 x #16 (15)
Size AWG (Metric)	9 x #12 (25)
Service Rating	A & Inst.

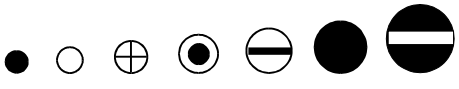
35 Contacts





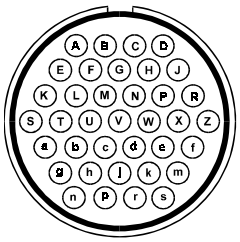
Contact Arrangement	32-7	40-A35
No. Contacts x	8 x #16 (15)	
Size AWG (Metric)	7 x #12 (25)	35 x #12 (25)

Contact Legend



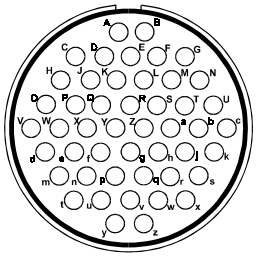
Contact Arrangements

37 Contacts



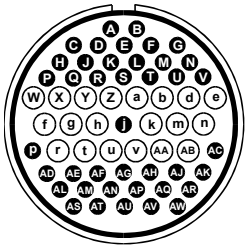
Contact Arrangement	28-21
No. Contacts x Size AWG (Metric)	37 x #16 (15)
Service Rating	A

48 Contacts



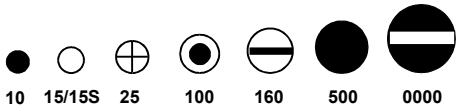
Contact Arrangement	36-10
No. Contacts x Size AWG (Metric)	48 x #16 (15)
Service Rating	A

61 Contacts



Contact Arrangement	32-A69
No. Contacts x Size AWG (Metric)	41 x #20 (10) 20 x #16 (15)
Service Rating	Inst.

Contact Legend



ABBMS Connectors

Technical Data

Contact Arrangement Selection Chart

Contact Size AWG (Metric) & Current Rating (Derated) Amps at 85^0 C											
Shell Size	**Contact Arrang.**	**No. of contacts**	**20 (10)**	**16/16S (15/15S)**	**12 (25)**	**8 (100)**	**4 (160)**	**0 (500)**	**0000**	**Insert Orientation**	**Service Rating**
10SL	**# 10SL-3**	3		3x10A						N	A
10SL	**# 10SL-4**	2		2x10A						N	A
14S	**# 14S-2**	4		4x10A						N,X,Y	Inst.
14S	**# 14S-5**	5		5x10A						N,X	Inst.
14S	**14S-6**	6		6x10A						N	Inst.
14S	**# 14S-7**	3		3x10A						N,W,X,Y	A
16S	**# 16S-1**	7		7x10A						N,W,Z	A
16	**16-12**	1					1x75A			N	A
18	**# 18-1**	10		10x10A						N,W,XY,Z	A & Inst*
20	**20-2**	1						1x135A		N	D
20	**20-8**	6		4x10A		2x42A				N,W,X,Y,Z	Inst.
20	**20-A9**	9			9x20A					N,X,Y	D & Inst*
20	**20-21**	9		8x10A	1x20A					N,W,X,Y,Z	A
20	**20-A48**	19		19x10A						N,X,Y	Inst.
22	**22-2**	3				3x42A				N,W,X,Y,Z	D
22	**22-12**	5		3x10A		2x42A				N,W,X,Y,Z	D
22	**# 22-14**	19		19x10A						N,W,Z	A
22	**22-19**	14		14x10A						N,W,X,Y,Z	A
22	**22-22**	4				4x42A				N,X,Y	A
22	**22-27**	9		8x10A		1x42A				N,W,Y,Z	A & D*
24	**24-2**	7			7x20A					N,W,Z	D
24	**24-10**	7				7x42A				N,W,Z	A
24	**24-11**	9			6x20A	3x42A				N,W,X,Y,Z	A
24	**# 24-12**	5			3x20A		2x75A			N,W,X,Y,Z	A
24	**24-22**	4				4x42A				N,W,X,Y	D
24	**24-28**	24		24x10A						N,W,X,Y,Z	Inst.
24	**V1**	1							300A	N	A
28	**28-10**	7			3x20A	2x42A	2x75A			N,W,X,Y,Z	A & D*
28	**28-21**	37		37x10A						N,W,X,Y,Z	A
28	**28-A63**	28		19x10A	9x20A					N,X,Y	A & Inst.*
32	**32-1**	5			3x20A			2x135A		N,W,X,Y,Z	E & D*
32	**32-3**	9		4x10A	2x20A		2x75A	1x135A		N,W,X,Y,Z	D
32	**32-6**	23		16x10A	2x20A	3x42A	2x75A			N,W,X,Y,Z	A
32	**32-7**	35		28x10A	7x20A					N,W,X,Y,Z	A & Inst.*
32	**32-A13**	13			13x20A					N,W,X,Y,Z	D
32	**32-A69**	61	41x5A	20x10A						N,X,Y	Inst.
36	**36-5**	4						5x135A		N,X,Y	A
36	**36-6**	6					4x75A	2x135A		N,W,X,Y,Z	A
36	**36-10**	48		48x10A						N,W,X,Y,Z	A
36	**36-A22**	22			22x20A					N,W,X,Y,Z	D
40	**40-A35**	35			35x20A					N,W,X,Y,Z	D

 # Available in High Temperature - HT ABB version.

*** Contact Arrangement / Service Rating** 18-1 Contacts **B, C,F ,G = A Inst.** all others

28-A63 Contact **E** = **A** **Inst.** all others
20-A9 Contact **J** = **D** **Inst.** all others
22-27 Contact **J** = **D** **A** all others
28-10 Contact **G** = **D** **A** all others

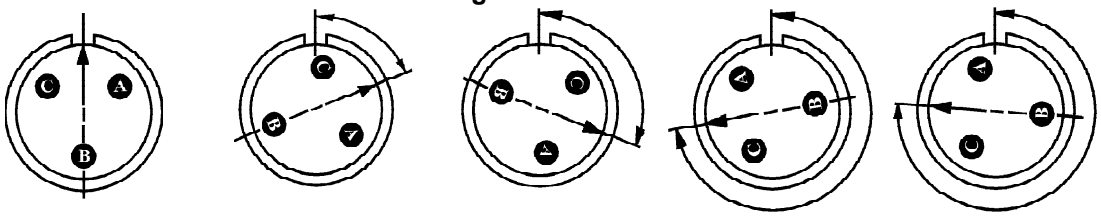
32-1 Contact **A** = **E** **D** all others
32-7 Contacts **A,B,H,J** = **A** **Inst.** all others

ABBMS Connectors

Technical Data

Contact Arrangement Orientation Chart

View on Mating Face of Pin Insert



N **W** **X** **Y** **Z**

Contact Arrangement	Insulator Position				
	N	**W**	**X**	**Y**	**Z**
10SL-3	0	-	-	-	-
10SL-4	0	-	-	-	-
14S-2	0	-	120	240	-
14S-5	0	110	-	-	-
14S-6	0	-	-	-	-
14S-7	0	90	180	270	-
16S-1	0	80	-	-	280
16-12	0	-	-	-	-
18-1	0	70	145	215	290
20-2	0	-	-	-	-
20-8	0	80	110	250	280
20-A9	0	-	110	250	-
20-21	0	35	110	250	325
20-A48	0	-	80	280	-
22-2	0	70	145	215	290
22-12	0	80	110	250	280
22-14	0	80	110	250	280
22-19	0	80	110	250	280
22-22	0	-	110	250	-
22-27	0	80	-	-	280
24-2	0	80	-	-	280
24-10	0	80	-	-	280
24-11	0	35	110	250	325
24-12	0	80	110	250	280
24-22	0	45	110	250	-
24-28	0	80	110	250	280
24-V1	0	-	-	-	-
28-10	0	80	110	250	280
28-21	0	80	110	250	280
28-A63	0	-	100	260	-
32-1	0	80	110	250	280
32-3	0	80	110	250	280
32-6	0	80	110	250	280
32-7	0	80	125	235	280
32-A13	0	65	130	230	295
32-A69	0	-	110	250	-
36-5	0	-	120	240	-
36-6	0	35	110	250	325
36-10	0	80	125	235	280
36-A22	0	80	110	250	280
40-A35	0	70	130	230	290

ABB MS Bayonet Connectors
Technical Data
Back Shell / Accessory Availability

Accessory Type:

D - Non-locking straight cable clamp.
BS 9522 F0032 approved.

- Non-locking 5MS grommet nut with grommet & follower.
BS 9522 F0030 approved.

EA - Locking 5MS 90^0 elbow with grommet nut & grommets. Use on shell styles 00, 01 & 03.
BS 9522 F0030 approved.

EAC - Locking 5MS 90^0 elbow with 5MS cable clamp & grommets. Use on shell styles 00, 01 & 03.
BS 9522 F0030 approved.

EAT - Locking 5MS 90^0 elbow with grommet & rear threads for accessory accommodation.
Use on shell styles 00, 01 & 03.
BS 9522 F0030 approved.

EC - Locking 5MS cable clamp, grommet and follower.
BS 9522 F0030 approved.

EMC - Non-locking 5MS multicore cable clamp with grommet & follower.
BS 9522 F0030 approved.

EV - Non-locking grommet nut, grommet & follower.
BS 9522 F0032 approved.

F - Locking 90^0 elbow with grommet & MS3057A cable clamp.
BS 9522 F0032 approved.

FC - Locking 90^0 elbow with grommet & MS3057C cable clamp.

FM - Locking 90^0 elbow with grommet for screen and heat shrink termination.

FT - Locking 90^0 elbow with grommet & rear threads for accessory accommodation. BS 9522 F0032 approved.

G - Locking heat shrink adaptor with grommet.
BS 9522 F0032 approved.

GM - Locking RFI shield adaptor with grommet.
For band screeningsystem.

GS - Non-locking heat shrink adaptor with grommet & follower.

H - Locking conduit adaptor with grommet.
BS9522 F0032 approved.

HC - Locking adaptor with grommet & MS3057A cable clamp.
BS 9522 F0032 approved.

HD - Locking adaptor with grommet & MS3057C cable clamp.

J - Non-locking adaptor with grommet, follower & MS3057A cable clamp.

- Locking adaptor with grommet for termination of shielding braids.
BS9522 F0032 approved.

PG - Non-locking adaptor with 'O' ring seal.
Accepts standard PG style cable glands.

R - Non-locking adaptor with grommet & follower.

RC - Non-locking adaptor with grommet, follower & MS3057C cable clamp.

R - Non-locking adaptor with braid screen termination.

SHE - Locking long adaptor with grommet & rear threads for accessory accommodation.

XL - Locking long adaptor with grommet & MS3057A cable clamp.

XL - Locking long adaptor with grommet & MS3057C cable clamp.

ABB MS Bayonet Connectors
Technical Data
Connector / Accessory Compatibility

Compatibility of ABB (121B) - BS 9522 F0032 Grommets & Accessories		
Contact Arrangement	Solder	Crimp
10SL-3	1	1
10SL-4	1	1
14S-2	1	1
14S-5	1	1
14S-6	1	1
14S-7	1	1
16S-1	1	1
16-12	1	1
18-1	1	1
20-2	1	1
20-8	1	1
20-A9	1	1
20-21	1	1
20-A48	1	1
22-2	1	1
22-12	1	1
22-14	1	1
22-19	1	1
22-22	1	1
22-27	1	1
24-2	1	1
24-10	1	1
24-11	1	1
24-12	1	1
24-22	1	1
24-V1	*	*
28-10	1	1
28-21	1	1
28-A63	1	1
32-1	1	1
32-3	1	1
32-6	1	1
32-7	1	1
32-A13	1	1
32-A69	1	1
36-5	1	1
36-6	1	1
36-10	1	1
36-A22	1	1
40-A35	1	1

Compatibility of SBMS - BS 9522 F0030 Grommets & Accessories		
Contact Arrangement	Solder	Crimp
10SL-3	1	1
10SL-4	1	1
14S-2	1	1
14S-5	1	1
14S-6	1	1
14S-7	1	1
16S-1	1	1
16-12	*	*
18-1	1	1
20-2	1	1
20-8	*	*
20-A9	*	*
20-21	*	*
20-A48	1	1
22-2	1	0
22-12	*	*
22-14	1	1
22-19	1	1
22-22	1	0
22-27	*	*
24-2	1	1
24-10	*	*
24-11	1	0
24-12	1	0
24-22	*	*
24-V1	*	*
28-10	1	0
28-21	1	1
28-A63	*	*
32-1	1	1
32-3	*	*
32-6	1	0
32-7	1	0
32-A13	*	*
32-A69	*	*
36-5	*	*
36-6	*	*
36-10	1	1
36-A22	*	*
40-A35	*	*

Notation: 1 = Compatible; 0 = Non-Compatible; * = Consult Factory

ABB MS Bayonet Connectors
BS 9522 F0032 Part Number Explanation
ABB MS / BS 9522 F0032 Cross Reference

BS 9522 F0032 Part Number

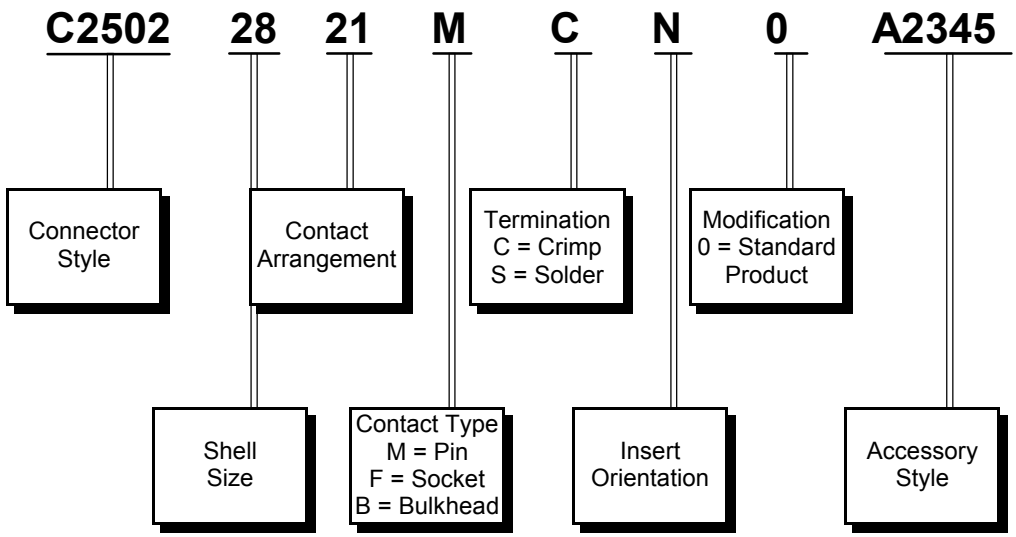


ABB MS / BS 9522 F0032 Cross

ABB MS Style	BS 9522 F0032 Style
ABB00T	C2503
ABB00T..M6	C2504
ABB00E	C2503 + A2344
ABB00E..M6	C2504 + A2344
ABB00EC	C2503 + A2345
ABB00EC..M6	C2504 + A2345
ABB00EMC	C2503 + A2346
ABB00EMC..M6	C2504 + A2346
ABB00EA	C2503 + A2357
ABB00EA..M6	C2504 + A2357
ABB00EAT	C2503 + A2348
ABB00EAT..M6	C2504 + A2348
ABB00EAC	C2503 + A2358
ABB00EAC..M	C2504 + A2358
ABB00D	C2503 + A2527
ABB00D..M6	C2504 + A2527
ABB00G	C2503 + A2525
ABB00G..M6	C2504 + A2525
ABB00H	C2503 + A2524
ABB00H..M6	C2504 + A2524
ABB00HC	C2503 + A2760
ABB00HC..M6	C2504 + A2760
ABB00M	C2503 + A2526

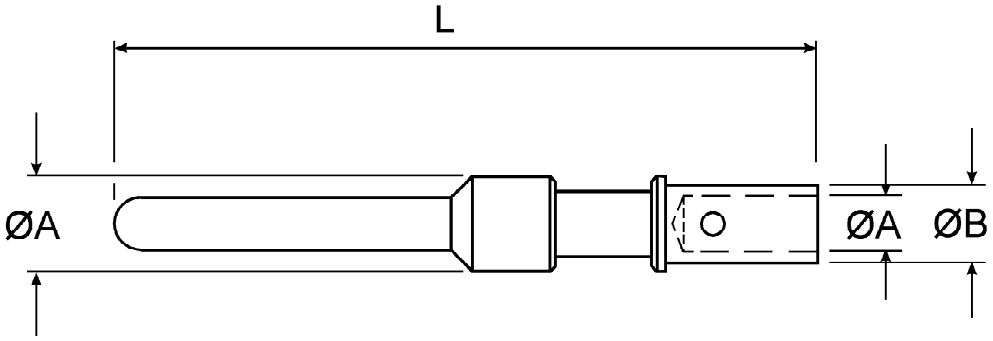
ABB MS Style	BS 9522 F0032 Style
ABB00M..M6	C2504 + A2526
ABB00F	C2503 + A2523
ABB00F..M6	C2504 + A2523
ABB00FT	C2503 + A2522
ABB00FT..M6	C2504 + A2522
ABB01T	C2509
ABB01E	C2509 + A2344
ABB01EC	C2509 + A2345
ABB01EMC	C2509 + A2346
ABB01D	C2509 + A2527
ABB01G	C2509 + A2525
ABB01H	C2509 + A2524
ABB01HC	C2509 + A2760
ABB01M	C2509 + A2526
ABB03A	C2758
ABB03A..M6	C2759
ABB03H	C2510
ABB03H..M6	C2512
ABB03HC	C2510 + A2521
ABB03HC..M6	C2512 + A2521
ABB03M	C2514
ABB03M..M6	C2516
ABB07	C2507

ABB MS Style	BS 9522 F0032 Style
ABB07..M6	C2508
ABB06T	C2502
ABBNS06T	C2501
ABB06E	C2502 + A2344
ABBNS06E	C2501 + A2344
ABB06EC	C2502 + A2345
ABBNS06EC	C2501 + A2345
ABB06EMC	C2502 + A2346
ABBNS06EMC	C2501 + A2346
ABB08E	C2502 + A2357
ABBNS08E	C2501 + A2357
ABB08T	C2502 + A2348
ABBNS08T	C2501 + A2348
ABB08EC	C2502 + A2358
ABBNS80EC	C2501 + A2358
ABB06D	C2502 + A2527
ABBNS06D	C2501 + A2527
ABB06G	C2502 + A2525
ABBNS06G	C2501 + A2525
ABB06H	C2502 + A2524
ABBNS06H	C2501 + A2524
ABB06HC	C2502 + A2760
ABBNS06HC	C2501 + A2760

ABB MS Style	BS 9522 F0032 Style
ABB06M	C2502 + A2526
ABBNS06M	C2501 + A2526
ABB08F	C2502 + A2523
ABBNS08F	C2501 + A2523
ABB08FT	C2502 + A2522
ABBNS08FT	C2501 + A2522
ABBE06T	C2528
ABBSE06T	C2529
ABBEO6D	C2528 + A2527
ABBSE06D	C2529 + A2527
ABBE06G	C2528 + A2525
ABBSE06G	C2529 + A2525
ABBE06H	C2528 + A2524
ABBSE06H	C2529 + A2524
ABB06HC	C2528 + A2760
ABBSE06HC	C2529 + A2760
ABBE06M	C2528 + A2526
ABBSE06M	C2529 + A2526
ABBE08F	C2528 + A2523
ABBSE08F	C2529 + A2523
ABBE08FT	C2528 + A2522
ABBSE08FT	C2529 + A2522

ABB MS Bayonet Connectors

Crimp Pin Contacts



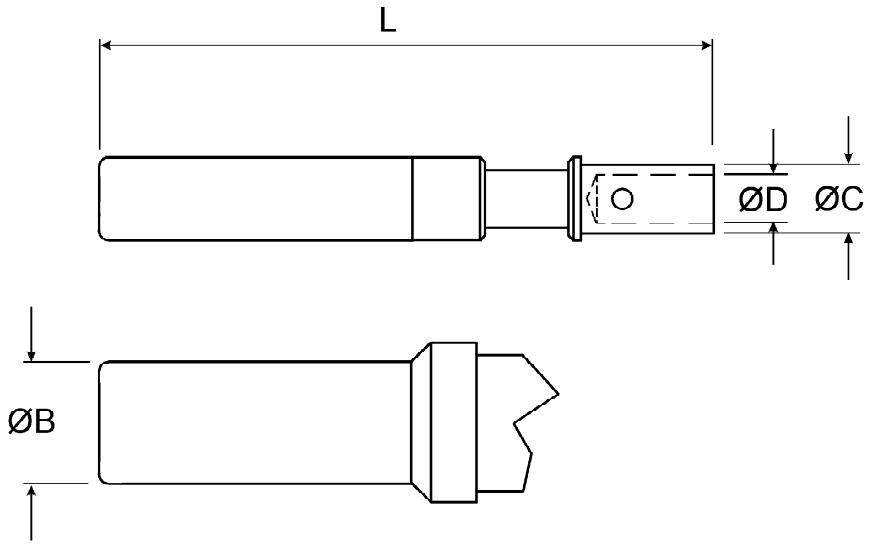
Metric **Imperial**

Contact Size AWG (Metric)	Part Number	ØA	ØB	ØC	Conductor mm²	L
20 (10)	ABB20KPK	2,0 **0.079**	2,65 **0.104**	1,5 **0.059**	0.75/1,0	28,4 **1.119**
16S (15S)	ABB16SKPK	3,2 **0.126**	2,75 **0.108**	1,75 **0.069**	1,0/1,5	27,4 **1.078**
16 (15)	ABB16KPK	3,2 **0.126**	2,75 **0.108**	1,75 **0.069**	1,0/1,5	31,4 **1.236**
12/16	ABB1216KPK	4,8 **0.189**	3,8 **0.150**	1,75 **0.069**	1,0/1,5	37,0 **1.457**
12 (25)	ABB12KPK	4,8 **0.189**	3,8 **0.150**	2,5 **0.098**	2,5	37,0 **1.457**
(60)	ABB60KPK	7,6 **0.299**	6,8 **0.268**	3,5 **0.138**	6,0	39,6 **1.56**
8	ABB8KPK	7,6 **0.299**	6,8 **0.268**	4,55 **0.179**	9,0	39,6 **1.56**
(100)	ABB100KPK	7,6 **0.299**	6,8 **0.268**	4,8 **0.189**	10,0	39,6 **1.56**
(160)	ABB160KPK	11,2 **0.441**	9,55 **0.376**	6,2 **0.244**	16,0	39,6 **1.56**
4	ABB4KPK	11,2 **0.441**	9,55 **0.376**	7,1 **0.28**	22,0	39,6 **1.56**
(500)	ABB500KPK	15,15 **0.596**	14,35 **0.565**	10,7 **0.421**	50,0	41,0 **1.614**
0	ABB0KPK	15,15 **0.596**	14,35 **0.565**	11,5 **0.543**	53,0	41,0 **1.614**
0000	ABB0000KPK	22,0 **0.866**	21,3 **0.839**	16,75 **0.659**	120,0	48,0 **1.89**

The part numbers shown indicate silver plated contacts. For alternative finishes, please consult the factory.

ABB MS Bayonet Connectors

Crimp Socket Contacts

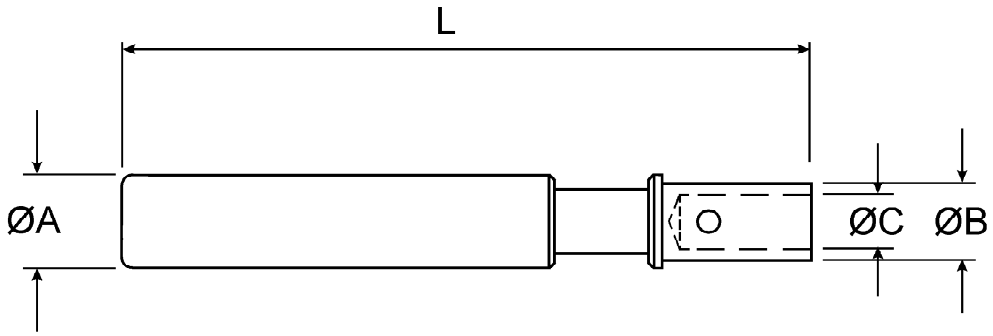


Metric **Imperial**

Contact Size AWG (Metric)	Part Number	ØA	ØB	ØC	ØD	Conductor mm²	L
20 (10)	ABB20KSK	2,0 **0.079**		2,65 **0.104**	1,5 **0.059**	0.75/1,0	28,4 **1.119**
16S (15S)	ABB16SKSK	3,2 **0.126**		2,75 **0.108**	1,75 **0.069**	1,0/1,5	27,4 **1.078**
16 (15)	ABB16KSK	3,2 **0.126**		2,75 **0.108**	1,75 **0.069**	1,0/1,5	31,4 **1.236**
12/16	ABB1216KSK	4,8 **0.189**		3,8 **0.150**	1,75 **0.069**	1,0/1,5	37,0 **1.457**
12 (25)	ABB12KSK	4,8 **0.189**		3,8 **0.150**	2,5 **0.098**	2,5	37,0 **1.457**
(60)	ABB60KSK	7,6 **0.299**	6,5 0.256	6,8 **0.268**	3,5 **0.138**	6,0	39,6 **1.56**
8	ABB8SKSK	7,6 **0.299**	6,5 0.256	6,8 **0.268**	4,55 **0.179**	9,0	39,6 **1.56**
(100)	ABB100KSK	7,6 **0.299**	6,5 0.256	6,8 **0.268**	4,8 **0.189**	10,0	39,6 **1.56**
(160)	ABB160KSK	11,2 **0.441**	8.6 0.339	9,55 **0.376**	6,2 **0.244**	16,0	39,6 **1.56**
4	ABB4KSK	11,2 **0.441**	8,6 0.339	9,55 **0.376**	7,1 **0.28**	22,0	39,6 **1.56**
(500)	ABB500KSK	15,15 **0.596**	13,2 0.52	14,35 **0.565**	10,7 **0.421**	50,0	41,0 **1.614**
0	ABB0KSK	15,15 **0.596**	13,2 0.52	14,35 **0.565**	11,5 **0.543**	53,0	41,0 **1.614**
0000	ABB0000KSK	22,0 **0.866**	19,15 0.754	21,3 **0.839**	16,75 **0.659**	120,0	48,0 **1.89**

The part numbers shown indicate silver plated contacts. For alternative finishes, please consult the factory.

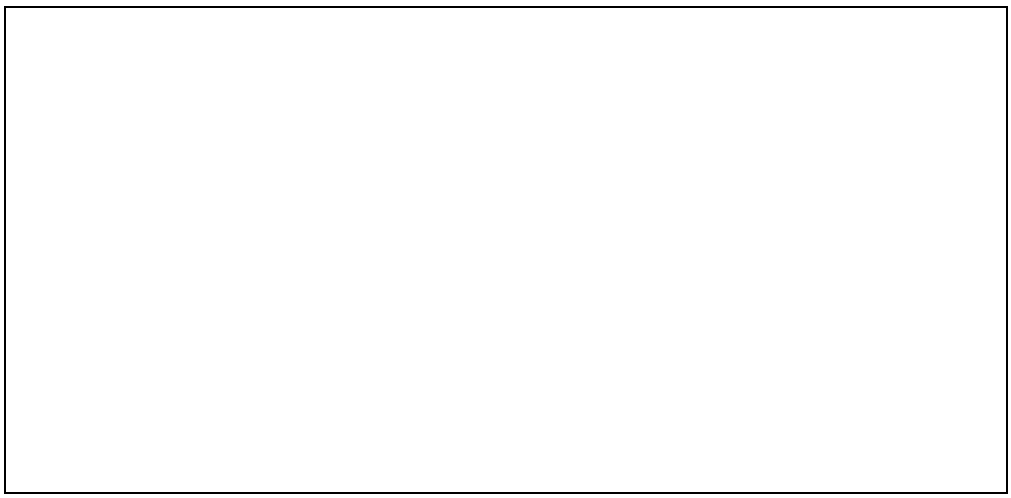
ABB MS Bayonet Connectors
Low Insertion Force
Crimp Socket Contacts



Metric **Imperial**

ContactSize AWG (Metric)	Part Number	ØA	ØB	ØC	Conductor mm²	L
16S	ABB16SKLKP3	3,2 **0.126**	2,75 **0.108**	1,75 **0.069**	1,0/1,5	29,1 **1.146**
16/20	ABB1620KLKP3	3,2 **0.126**	2,6 **0.102**	1,2 **0.047**	0,6	37,8 **1.488**
16	ABB16KLKP3	3,2 **0.126**	2,75 **0.108**	1,75 **0.069**	1,0/1,5	37,8 **1.488**
12/16	ABB1216KLKP3	4,8 **0.189**	3,8 **0.150**	1,75 **0.069**	1,0/1,5	37,0 **1.457**
12	ABB12KLKP3	4,8 **0.189**	3,8 **0.150**	2,5 **0.098**	2,5	37,0 **1.457**

The part numbers shown indicate gold plated contacts. For alternative finishes, please consult the factory.



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WCR0805-82KFI ASC1206-150KFT5 PCF0402PR-180RBT1 RC55Y-210KBI W24-33KJI WA84-180RJI WDBR122RKT WP4S-1R5JA2 LR1206-R10FW OVLBB4C7 P160KNP-0QC20A10K WCR1206-200KFI WH5-50RJI MFC0805-R10FT5 WHS3-33RJA1 APC0805RD-10KBT5 CAW104R70JLF MFR3-10RFC OAR5 - R020FI PCF0603R-100KBT1 67WR5KLFTB OARS-XP-0R001 PCF0603PR-1K-BT1 BPR10101J LRMAP3920C-R001FT WH10-100RJI WH25-8R2JI OPB802W55Z OPB829CZ SQP7S-82RJB15