

Aviation Automobile Energy Boats Rails Medical

APEX CONNECTORS

MILITARY SPECIFICATION

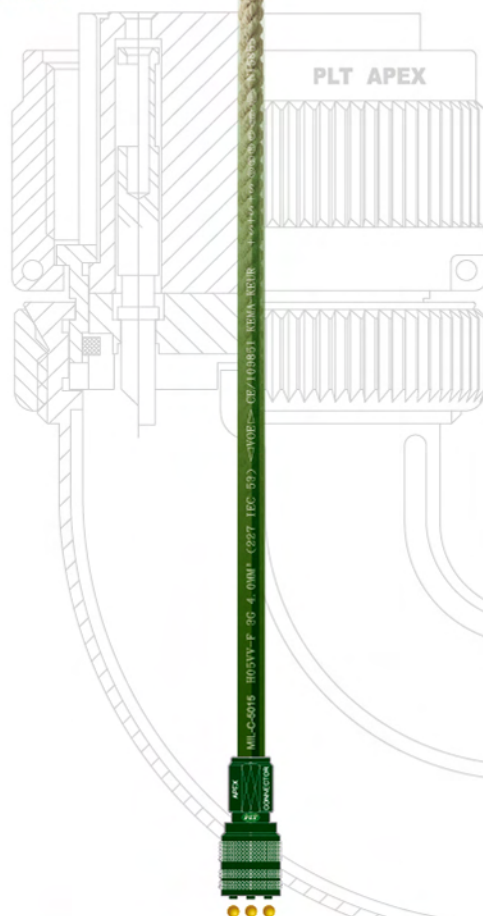
Black Trivalent Zinc Chromate Plating
Electrodeposition Coating
Olive Drab



Apex connector
專業製造廠

錫鋼精密科技
APEX PRECISION TECHNOLOGY

Since 1978



APEX Enterprise and Nature Coexistence

Coexistence of human and nature is the highest enterprise principle to APEX.
All APEX's staff and operation must be based on the premise of preserving natural environment and protecting the earth.

- Manufacturing the low-pollution products
- Manufacturing without polluting the environment
- Recycle and reuse
- Contribution to protecting the earth
- Development of environmental protection

1.The product information in this catalog is for reference only.

Please request the engineering drawing for the most current and accurate design information.

2.In order to make improvements in the products,we reserve the right to make changes, updates and corrections to the information provided in this catalog at any time.

Subject to change without notice. Thank you for your understanding.



APEX 企業與自然共存

APEX 應該視(人類和地球自然環境共存)為企業最高指導的原則，
所有的APEX職員和企業的全部運作，都要以維護自然環境、保護地球為前提。

- 製造低污染的產品
- 製造處理不汙染環境
- 所有的廢棄物回收再利用
- 為保護地球環境，貢獻一份心力
- 持續環境保護發展的工作

1.本目錄記載數據僅供參考，詳細內容請參考式樣書或圖面。

2.本目錄記載內容為了改進產品如有變更，恕不另行通知敬請見諒。

APEX企業は自然と共存します

APEXはずっと<人類と地球の共存する環境>を企業最高指導の原則とし、
全てのAPEX社員及び企業の活動は全て地球環境の保護、維持を前提としております。

- 汚染の少ない製品作り
- 製造プロセスでは環境汚染を下げる
- すべての廃棄物は回収または再利用する
- 地球環境保護のため、気力を持って貢献する
- 環盡保護発展の仕事を持続する

1.本カタログ記載の数値につきましては、参考数値です。詳しい内容につきましては、仕様書、図面を参考して下さい。

2.本カタログ記載内容は、製品向上のため予告なく変更する事がありますのでご了承下さい。

MIL-C-5015 Series

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OTHERS

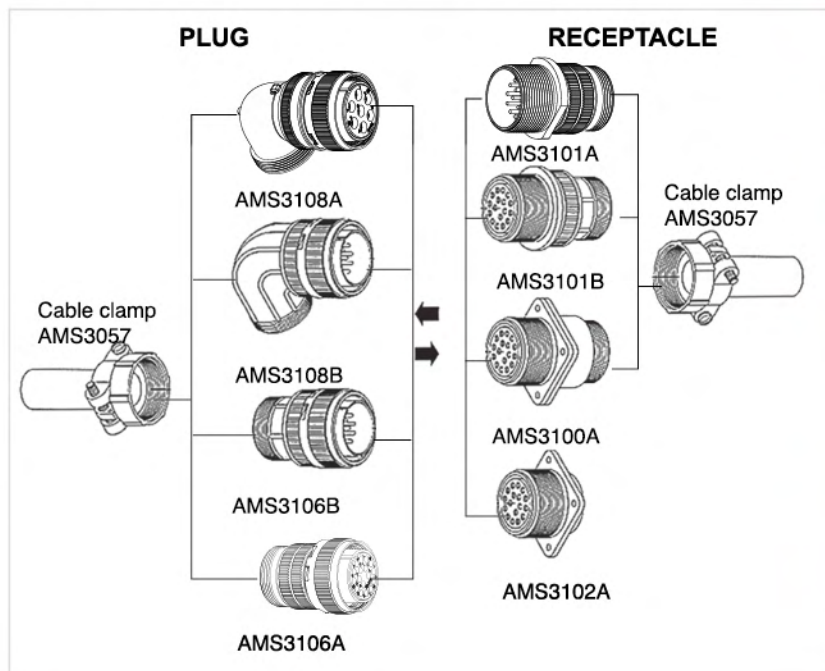
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MIL-DTL-55181 Series

AMS-A/B Class connector is an assembly of socket and plug, and able to connect the panel with cable. The cable with cable fixed merely by turning the coupling nut of the plug. The electric current can be conducted according to the insertion internally. Connector is an assembly of pin and socket. Thus, either socket or plug is able to be inserted.



Receptacle : AMS3102A

To be installed at the body of the machine or the panel, enable it to combine with the plug for using.

Interruptible Plug : AMS3101B / AMS3101A

To be attached at the cable, connect the cable with the cable so as to combine with the plug.

Straight Plug : AMS3106B / AMS3106A

To be attached at the cable, combine with the socket and the interruptible plug. The outlet of the cable moves toward the rear side of the straight plug.

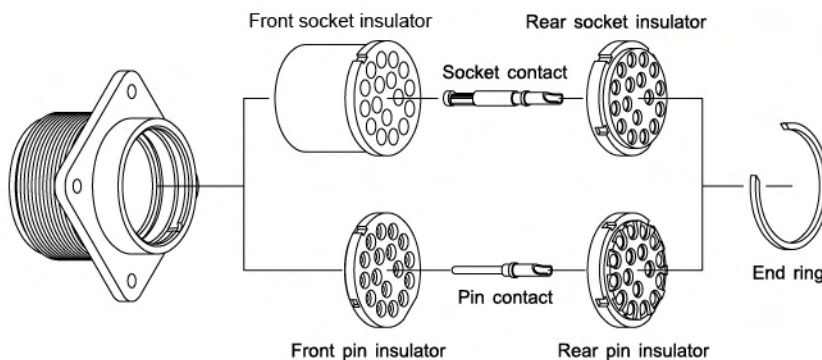
Angled Plug: AMS3108B / AMS3108A

The outlet of the cable constitutes vertical direction in contrast with the combining axis

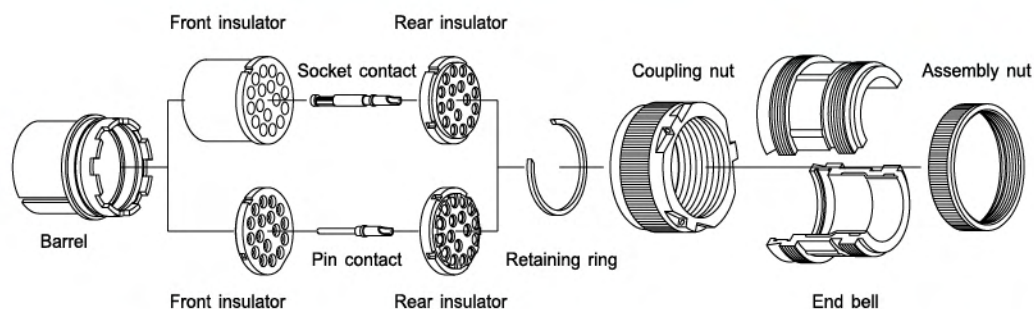
Cable Plug: AMS3057

A connecting wire attaches on the plug and plug which is an accessory used for tightening the cable.

AMS3102A

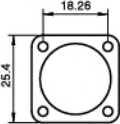
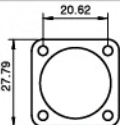
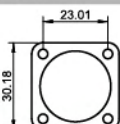
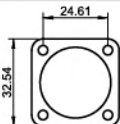
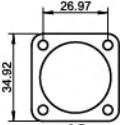
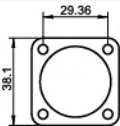


AMS3106B



INSERT ARRANGEMENTS

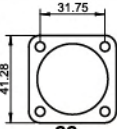
(front face of pin inserts illustrated)

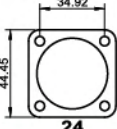
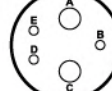
NO. OF CONTACTS		2 CONTACT		3 CONTACT					
SHELL SIZE									
									
10SL		10SL-4		10SL-3					
■ INSERT ARRANGEMENT		#16 x 2 Pin		#16 x 3 Pin					
■ NUMBER OF CONTACTS		INST		INST					
■ SERVICE RATING (P.S.)									
NO. OF CONTACTS		2 CONTACT							
SHELL SIZE									
									
12.12S		12S-3							
■ INSERT ARRANGEMENT		#16 x 2 Pin							
■ NUMBER OF CONTACTS		A							
■ SERVICE RATING (P.S.)									
NO. OF CONTACTS		3 CONTACT		4 CONTACT		5 CONTACT		6 CONTACT	
SHELL SIZE									
									
14S		14S-7		14S-2		14S-5		14S-6	
■ INSERT ARRANGEMENT		#16 x 3 Pin		#16 x 4 Pin		#16 x 5 Pin		#16 x 6 Pin	
■ NUMBER OF CONTACTS		A		INST		INST		INST	
■ SERVICE RATING (P.S.)									
NO. OF CONTACTS		3 CONTACT		7 CONTACT					
SHELL SIZE									
									
16.16S		16-10		16S-1					
■ INSERT ARRANGEMENT		#12 x 3 Pin		#16 x 7 Pin					
■ NUMBER OF CONTACTS		A		A					
■ SERVICE RATING (P.S.)									
NO. OF CONTACTS		4 CONTACT		5 CONTACT		10 CONTACT			
SHELL SIZE									
									
18		18-10		18-11		18-1			
■ INSERT ARRANGEMENT		#12 x 4 Pin		#12 x 5 Pin		#16 x 10 Pin			
■ NUMBER OF CONTACTS		A		A		A(B.C.F.G) INST(Other)			
■ SERVICE RATING (P.S.)									
NO. OF CONTACTS		4 CONTACT		5 CONTACT		7 CONTACT		9 CONTACT	
SHELL SIZE									
									
20		20-4		20-17		20-15		20-16	
■ INSERT ARRANGEMENT		#12 x 4 Pin		#12x5Pin(A-E) #16x1Pin(F)		#12 x 7 Pin		#16 x 7 Pin(A-G) #12 x 2 Pin(H,I)	
■ NUMBER OF CONTACTS		D		D		A		A	
■ SERVICE RATING (P.S.)								#12 x 3 Pin(B,I,F) #16 x 6 Pin(A,H,G,C,D,E)	
								A	

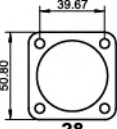
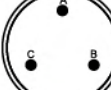
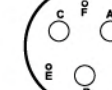
備註: ■ 連接方位組合 ■ 端子尺寸和數量 ■ 額定區分 P.S. : Please refer to page 5

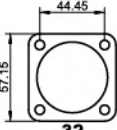
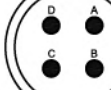
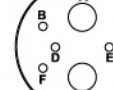
INSERT ARRANGEMENTS

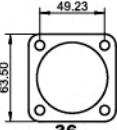
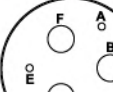
(front face of pin inserts illustrated)

NO. OF CONTACTS SHELL SIZE	3 CONTACT	4 CONTACT	8 CONTACT	19 CONTACT	14 CONTACT
 22	 TUV 22-2 #8 x 3 Pin D	 TUV 22-22 #8 x 4 Pin D	 TUV 22-23 #12 x 8 Pin D(H).A(Other)	 TUV 22-14 #16 x 19 Pin A	 22-19 #16 x 14 Pin A

NO. OF CONTACTS SHELL SIZE	7 CONTACT	9 CONTACT	11 CONTACT	16 CONTACT	24 CONTACT	5 CONTACT
 24	 TUV 24-10 #8 x 7 Pin A	 TUV 24-11 #8 x 3 Pin(D.E.F) #12 x 6 Pin(Other) A	 TUV 24-20 #16 x 9 Pin(A-D.G-L) #12 x 2 Pin(E.F) D	 TUV 24-7 #16 x 14 Pin(A-M.O) #12 x 2 Pin(P.N) A	 TUV 24-28 #16 x 24 Pin INST	 24-12 #4 x 2 Pin(A-C) #12 x 3 Pin(B.D.E) A

NO. OF CONTACTS SHELL SIZE	3 CONTACT	14 CONTACT	22 CONTACT	26 CONTACT	20 CONTACT	37 CONTACT	6 CONTACT
 28	 TUV 28-6 #4 x 3 Pin D	 TUV 28-20 #16 x 4 Pin(K.L.M.N) #12 x 10 Pin(A-J.P) A	 TUV 28-11 #16 x 18 Pin(A-I.N-X) #12 x 4 Pin(J.K.L.M) A	 TUV 28-12 #16 x 26 Pin A	 TUV 28-18 #8 x 3 Pin(K-M) #16 x 4 Pin(A-D) #20 x 5 Pin(E-J) #22 x 8 Pin(N-W) A	 TUV 28-21 #16 x 37 Pin A	 28-22 #4 x 3 Pin(A-C) #16 x 3 Pin(D-F) D

NO. OF CONTACTS SHELL SIZE	4 CONTACT	35 CONTACT	54 CONTACT	2 CONTACT	8 CONTACT
 32	 TUV 32-17 #4 x 4 Pin D	 TUV 32-7 #16 x 28 Pin(A-N.W-Z.a-K) #12 x 7 Pin(O-V) INST(A.B.h.j)A(Other)	 32A10 (32-22) #16 x 54 Pin A	 TUV 32-5 #0 x 2 Pin D	 32-15 #0 x 2 Pin(A.G) #12 x 6 Pin(B-F.H) D

NO. OF CONTACTS SHELL SIZE	4 CONTACT	48 CONTACT	6 CONTACT		
 36	 TUV 36-5 #0 x 4 Pin A	 TUV 36-10 #16 x 48 Pin A	 TUV 36-3 #0 x 2 Pin(B.D.F) #12 x 3 Pin(A.C.E) D		

備註: ■ 連接方位組合 ■ 端子尺寸和數量 ■ 額定區分

P.S. : Please refer to page 5

ORDERING INFORMATION 訂購資訊

AMS / WPS

SERIES 產品系列

3106B / 3106A

SHELL STYLE 外殼型式

3101B: Cable mounting receptacle, split shell
電纜中繼式，分離式外殼
3106B: Straight plug, split shell
180°直接頭，分離式外殼
3108B: Angled plug, split shell
90°彎接頭，分離式外殼
3100A: Wall mounting receptacle
面板固定端座

INSERT
ARRANGEMENT
連接方位組合
See page 2 to 3

SHELL STYLE 外殼型式

3101A: Cable Mounting receptacle, solid shell
電纜中繼式，單件式外殼
3102A: Box Mounting receptacle, solid shell
箱體固定端座，單件式外殼
3106A: Straight plug, solid shell
180°直接頭，單件式外殼
3108A: Angled plug, solid shell
90°彎接頭，單件式外殼

24-10

S

CONTACT STYLE
P: Pin 導針
S: Socket 導梢

C

INSULATOR
絕緣體
C: Silicon 矽膠

YE

Finish 表面處理
Olive Drab
OD色
EDP (Black)
黑色電著
EDP (Green)
綠色電著
CR3+(Black)
黑色三價鉻

DA

Bakelite 電木
N / A
B
C-R
-R

G

Rubber 橡膠
DA
BA-R
CA-R
RA-R

R

R: RoHS

ALTERNATE INSERT POSITION
可變換的接觸角位
OMIT: Standard position 正常角位
W.X.Y.Z: Revolving position 旋轉角位
E: 接地線 Ground wire

REMARKS 備註:
STANDARD 標準
Silver plated contacts 鍍銀
G: Gold plated contacts 鍍金

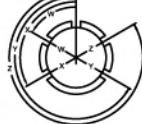
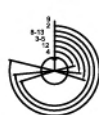
ORDERING INFORMATION 訂購資訊

In contrast with the standard insert position. After the guide key of its shell is formed into certain angle, the position change shall be indicated by the marks W,X,Y,Z. According to the layout of connector, there is difference in the changeable angles. Please refer to the below instructions.

本公司此系列產品出廠前已有標準的角位排列，如客戶欲訂購特殊的不同角位，請參考以下的說明。



Standard Position



No. of Contacts	Insert No.	Revolving Angle			
		W	X	Y	Z
2	12S-3	70	145	215	290
	32-15	35	110	250	280
	14S-7	90	180	270	-
3	16-10	90	180	270	-
	22-2	70	145	215	290
	28-6	70	145	215	290
	14S-2	-	120	240	-
	18-10	-	120	240	-
4	20-4	45	110	250	-
	22-22	-	110	250	-
	32-17	45	110	250	-
	36-5	-	120	240	-
5	18-11	-	170	265	-
	20-17	90	180	270	-
6	28-22	70	145	215	290
	36-3	70	145	215	290
	16S-1	80	-	-	280
7	20-15	80	-	-	280
	24-10	80	-	-	280
8	22-23	13	-	250	-
	20-16	80	110	250	280
9	20-18	35	110	250	325
	24-11	35	110	250	325
10	18-1	70	145	215	290
11	24-20	80	110	250	280
14	20-27	35	110	250	325
	28-20	80	110	250	280
16	24-7	80	110	250	280
17	20-29	80	-	-	280
19	22-14	80	-	-	280
22	28-11	80	110	250	280
24	24-28	80	110	250	280
26	28-12	90	180	270	-
37	28-21	80	110	250	280
48	36-10	80	125	235	280
100	48-5	65	125	225	310

The connector's layout 32-7 and 36-10 are same in the revolving angle.

Mark	2	3 or 5	4	8 or 13	9	12
Revolving Angle	260	110	80	250	280	100

ORDERING INFORMATION 訂購資訊

SERVICE RATING

Service Rating	Operating Voltage(V)	
	DC.V	AC.V(r.m.s.)
INST	250	200
A	700	500
D	1250	900
E	1750	1250
B	2450	1750
C	4200	3000

RECEPTACLE

Shell 本體	Al-Alloy / 鋁合金
Front Insulator 絕緣蓋	Silicone (Waterproof) / 防水矽膠 Polyester (Non-Waterproof) / 非防水合成樹脂
Rear Insulator 絕緣座	Polyester / 合成樹脂
Contact 導針	Copper / Ag-plated / 銅合金 / 鍍銀
Retaining Ring 扣環	Copper Alloy / 銅合金
Contact Assembly 導稍總成	Copper Alloy / 銅合金

CONTACT CURRENT RATING

Contact Size	Test Current (Amperes)
#16	13
#12	23
#8	46
#4	80
#0	150

OPERATING TEMPERATURE

-55°C~+125°C

WIRE SIZE

Contact		Wire Size AWG
Size	Solder Hold	
#16	1.85 Ø	#16~#22
#12	2.95 Ø	#12~#14
#8	5.31 Ø	#8~#10
#4	8.45 Ø	#4~#6
#0	11.91 Ø	#0~#2

PLUG

Shell 本體	Al-Alloy / 鋁合金
Insulator 絕緣體	Polyester / 合成樹脂
Gasket 橡膠墊	Rubber / 橡膠
Contact 導針	Copper / Ag-plated / 銅合金 / 鍍銀
Sleeve 套管	Polyester / 合成樹脂
Retaining Ring 扣環	Copper Alloy / 銅合金
Screw 螺絲	Steel / 鋼
O-Ring O形環	Rubber / 橡膠
Screw 金屬螺絲	Steel / 鋼

IP CODE



■ IEC/EN 60529 為現今國際上最常引用作為產品外殼機構保護等級的規範，故也稱為 " 國際保護等級，IP Code "

RECEPTACLE

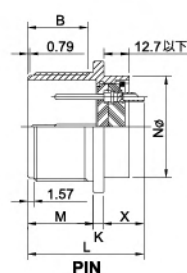
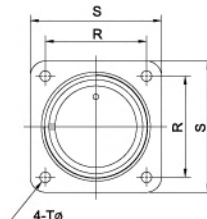
AMS3102A



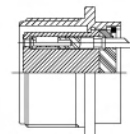
SOCKET



PIN PLUG



PIN



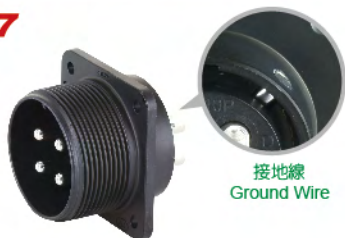
SOCKET

Shell size	Coupling Threads	Length of the effective portion of the thread over B	Thickness of the assembly rim under K	Length L	Length of assembly rim M +0.79 - 0	Outer radius of the terminal N + 0 - 0.13	Position of the holes reserved for assembly R ± 0.13	Length of the protruded sides S ± 0.79	Hole diameter of the assembly holes T +0.25 - 0.13
10SL	5/8-24UNEF-2A	9.50	2.1	23.4	14.60	15.80	18.26	25.40	3.10
12S	3/4-20UNEF-2A	9.52	2.4	24.3	14.27	17.46	20.62	27.79	3.05
14S	7/8-20UNEF-2A	9.52	2.4	24.3	14.27	19.05	23.01	30.18	3.05
16S	1-20UNEF-2A	9.52	2.4	24.3	14.27	22.22	24.61	32.54	3.05
16	1-20UNEF-2A	15.88	2.4	29.1	19.05	22.22	24.61	32.54	3.05
18	1-1/8-18UNEF-2A	15.88	3.0	28.6	19.05	25.40	26.97	34.92	3.05
20	1-1/4-18UNEF-2A	15.88	3.0	29.4	19.05	29.50	29.36	38.10	3.05
22	1-3/8-18UNEF-2A	15.88	3.0	29.4	19.05	31.80	31.75	41.28	3.05
24	1-1/2-18UNEF-2A	15.88	3.0	33.4	20.62	35.10	34.92	44.45	3.73
28	1-3/4-18UNS-2A	15.88	3.0	33.4	20.62	41.58	39.67	50.80	3.73
32	2-18UNS-2A	15.88	4.3	33.4	22.22	48.26	44.45	57.15	4.39
36	2-1/4-16UN-2A	15.88	4.3	33.4	22.22	53.97	49.23	63.50	4.39
48	3-16UN-2A	15.88	4.3	33.2	22.22	77.90	66.68	82.55	4.39

PS.:Shell size and insert arrangement, please refer to page 2-3

RECEPTACLE GROUND TYPE

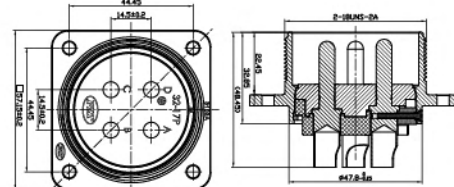
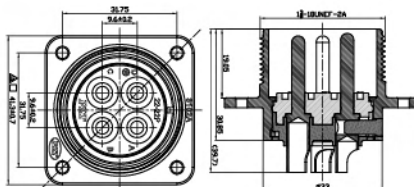
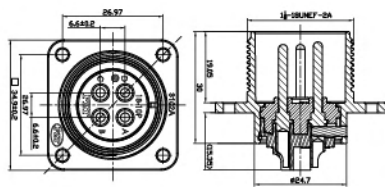
AMS3102A

接地線
Ground Wire

AMS3102A 18-10PCE-RA-R

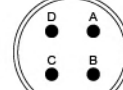
AMS3102A 22-22PCE-RA-R

AMS3102A 32-17PCE-RA-R



No. of contacts

Contacts Configuration

AMS3102A
18-10PCE-RA-RAMS3102A
22-22PCE-RA-RAMS3102A
32-17PCE-RA-R

Rated current / voltage

15A 200V

15A 900V

15A 900V

Operating voltage limit (AC.V.rms)

200

900

900

Withstanding Voltage (AC.V.rms) 1 minute

2000

2000

2800

Test Current (Amperes)

23

46

80

Insulation Resistance (Ωmin. at DC 500V)

5000M

5000M

5000M

WPS3102A

RECEPTACLE

IP 65



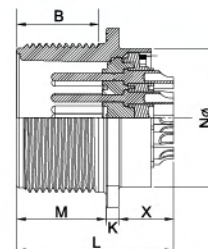
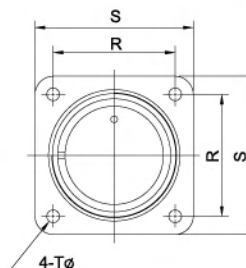
GASKET



PIN PLUG



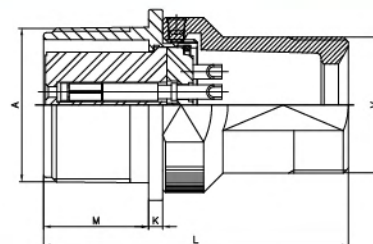
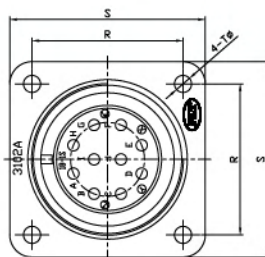
SOCKET



Shell size	Coupling Threads	Length of the effective portion of the thread over B	Thickness of the assembly rim under K	Length L	Length of assembly rim $M + 0.79$ $M - 0$	Outer radius of the terminal $N + 0$ $N - 0.13$	Position of the holes reserved for assembly $R \pm 0.13$	Length of the protruded sides $S \pm 0.79$	Hole diameter of the assembly holes $T + 0.25$ $T - 0.13$
10SL	5/8-24UNEF-2A	9.50	2.1	23.4	14.60	15.80	18.26	25.40	3.10
12S	3/4-20UNEF-2A	9.52	2.4	24.3	14.27	17.46	20.62	27.79	3.05
14S	7/8-20UNEF-2A	9.52	2.4	24.3	14.27	19.05	23.01	30.18	3.05
16S	1-20UNEF-2A	9.52	2.4	24.3	14.27	22.22	24.61	32.54	3.05
16	1-20UNEF-2A	15.88	2.4	29.1	19.05	22.22	24.61	32.54	3.05
18	1-1/8-18UNEF-2A	15.88	3.0	28.6	19.05	25.40	26.97	34.92	3.05
20	1-1/4-18UNEF-2A	15.88	3.0	29.4	19.05	29.50	29.36	38.10	3.05
22	1-3/8-18UNEF-2A	15.88	3.0	29.4	19.05	31.80	31.75	41.28	3.05
24	1-1/2-18UNEF-2A	15.88	3.0	33.4	20.62	35.10	34.92	44.45	3.73
28	1-3/4-18UNS-2A	15.88	3.0	33.4	20.62	41.58	39.67	50.80	3.73
32	2-18UNS-2A	15.88	4.3	33.4	22.22	48.26	44.45	57.15	4.39
36	2-1/4-16UN-2A	15.88	4.3	33.4	22.22	53.97	49.23	63.50	4.39
48	3-16UN-2A	15.88	4.3	33.2	22.22	77.90	66.68	82.55	4.39

PS : Shell size and insert arrangement please refer to page 2 3

WPS3100A

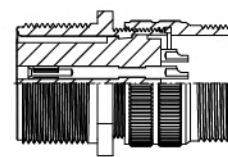
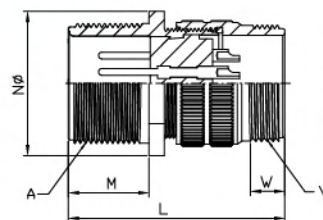
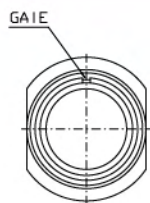


Shell size	Coupling Threads A	Length L	Thickness of the assembly rim under K	Length of assembly rim $M + 0.79$ $M - 0$	Rear Threads V	Position of the holes reserved for assembly $R \pm 0.13$	Length of the protruded sides $S \pm 0.79$	Hole diameter of the assembly holes $T + 0.25$ $T - 0.13$
10SL	5/8-24UNEF-2A	45	2.1	14.6	5/8-24UNEF-2A	18.26	25.4	3.1
14S	7/8-20UNEF-2A	44.2	2.1	14.27	7/8-20UNEF-2A	23.01	30.18	3.05
16S	1-20UNEF-2A	41.1	2.1	14.27	1-20UNEF-2A	24.61	32.5	3.1
18	1-1/8-18UNEF-2A	55.8	2.6	28.6	1-1/8-18UNEF-2A	26.97	34.92	3.05
20	1-1/4-18UNEF-2A	56.5	2.7	29.4	1-1/4-18UNEF-2A	29.36	38.10	3.05
22	1-3/8-18UNEF-2A	66.4	2.7	29.4	1-3/8-18UNEF-2A	31.75	41.28	3.05
24	1-1/2-18UNEF-2A	58.5	2.7	33.4	1-1/2-18UNEF-2A	34.9	44.4	3.75
28	1-3/4-18UNS-2A	59.1	2.7	33.4	1-3/4-18UNS-2A	39.7	50.8	3.75

PS. : Shell size and insert arrangement, please refer to page 2-3.

CABLE CONNECTING RECEPTACLE

WPS3101A

 IP65

SOCKET

PIN

Shell Size	Coupling Threads A	Length L	The length to the assembly rim $M + 0.4$	Outer radius under N	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF	38.89	14.27	24.61	5/8-24UNEF	9.5
12s	3/4-20UNEF	42.88	14.27	26.97	5/8-24UNEF	9.5
12	3/4-20UNEF	52.37	19.05	26.97	5/8-24UNEF	9.5
14s	7/8-20UNEF	42.88	14.27	29.36	3/4-20UNEF	9.5
14	7/8-20UNEF	52.37	19.05	29.36	3/4-20UNEF	9.5
16s	1-20UNEF	42.88	14.27	31.75	7/8-20UNEF	9.5
16	1-20UNEF	52.37	19.05	31.75	7/8-20UNEF	9.5
18	1 1/8-18UNEF	52.37	19.05	34.14	1-20UNEF	9.5
20	1 1/4-18UNEF	55.58	19.05	37.31	1 3/16-18UNEF	9.5
22	1 3/8-18UNEF	55.58	19.05	40.49	1 3/16-18UNEF	9.5
24	1 1/2-18UNEF	58.72	20.62	43.66	1 7/16-18UNEF	9.4
28	1 3/4-18UNEF	58.72	20.62	50.01	1 7/16-18UNEF	9.4
32	2-18UNEF	61.93	22.23	56.36	1 3/4-18UNEF	11.1
36	2 1/4-16UNEF	61.93	22.23	62.71	2-18UNEF	12.7
40	2 1/2-16UNEF	61.93	22.23	69.06	2 1/4-18UNEF	15.9

CABLE CONNECTING RECEPTACLE

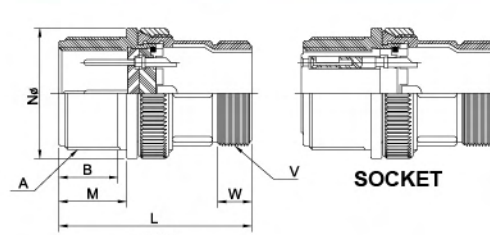
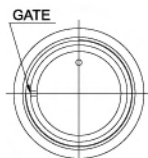
AMS3101B



SOCKET



PIN PLUG



SOCKET

PIN

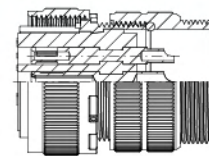
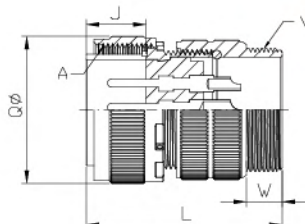
Shell size	Coupling Threads A	Length of the effective portion of the thread over B	Length L	The length to the assembly rim $M + 0.4$	Outer radius under N	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF	9.5	38.89	14.27	24.61	5/8-24UNEF	9.5
12S	3/4-20UNEF-2A	9.5	42.88	14.3	26.97	5/8-24UNEF-2A	9.5
14S	7/8-20UNEF-2A	9.5	42.88	14.3	29.36	3/4-20UNEF-2A	9.5
16S	1-20UNEF-2A	9.5	42.88	14.3	31.75	7/8-20UNEF-2A	9.5
16	1-20UNEF-2A	15.9	52.37	19.0	31.75	7/8-20UNEF-2A	9.5
18	1-1/8-18UNEF-2A	15.9	52.37	19.0	34.14	1-20UNEF-2A	9.5
20	1-1/4-18UNEF-2A	15.9	55.58	19.0	37.31	1-3/16-18UNEF-2A	9.5
22	1-3/8-18UNEF-2A	15.9	55.58	19.0	40.49	1-3/16-18UNEF-2A	9.5
24	1-1/2-18UNEF-2A	15.9	58.72	19.0	43.66	1-7/16-18UNEF-2A	9.5
28	1-3/4-18UNS-2A	15.9	58.72	19.0	50.01	1-7/16-18UNEF-2A	9.5
32	2-18UNS-2A	15.9	61.93	19.0	56.36	1-3/4-18UNEF-2A	11.1
36	2-1/4-16UN-2A	15.9	61.93	19.0	62.71	2-18UNS-2A	12.7
48	3-16UN-2A	15.9	65.07	15.9	81.76	3-16UN-2A	15.9

PS. : Shell size and insert arrangement, please refer to page 2-3.

AMS3106A

STRAIGHT PLUG

IP 65



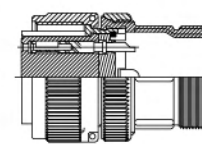
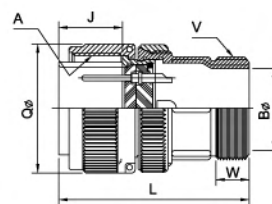
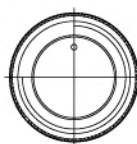
PIN

SOCKET

Shell Size	Coupling Threads A	Full Length L	The length to the assembly rim J ± 0.3	Outer radius Q ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF	38.89	13.49	24.61	5/8-24UNEF	10
12s	3/4-20UNEF	42.88	13.49	26.97	5/8-24UNEF	9.5
12	3/4-20UNEF	52.37	18.26	26.97	5/8-24UNEF	9.5
14s	7/8-20UNEF	42.88	13.49	29.36	3/4-20UNEF	9.5
14	7/8-20UNEF	52.37	18.26	29.36	3/4-20UNEF	9.5
16s	1-20UNEF	42.88	13.49	31.75	7/8-20UNEF	9.5
16	1-20UNEF	52.37	18.26	31.75	7/8-20UNEF	9.5
18	1 1/8-18UNEF	52.37	18.26	34.14	1-20UNEF	9.5
20	1 1/4-18UNEF	55.58	18.26	37.31	1 3/16-18UNEF	9.5
22	1 3/8-18UNEF	55.58	18.26	40.49	1 3/16-18UNEF	9.5
24	1 1/2-18UNEF	58.72	18.26	43.66	1 7/16-18UNEF	9.4
28	1 3/4-18UNEF	58.72	18.26	50.01	1 7/16-18UNEF	9.4
32	2-18UNEF	61.93	18.26	56.36	1 3/4-18UNEF	11.1
36	2 1/4-16UNEF	61.93	18.26	62.71	2-18UNEF	12.7
40	2 1/2-16UNEF	61.93	18.26	69.06	2 1/4-18UNEF	15.9

AMS3106B

STRAIGHT PLUG



SOCKET

PIN PLUG

PIN

SOCKET

Shell size	Coupling Threads A	Cable end B ± 0.3	Length of connector J ± 0.3	Full length	Outer radius Q ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF-2B	7.0	9.6	44.6	22.2	5/8-24UNEF-2A	10.0
12S	3/4-20UNEF-2B	9.6	13.5	42.8	25.4	5/8-24UNEF-2A	9.5
14S	7/8-20UNEF-2B	12.5	13.5	42.8	28.6	3/4-20UNEF-2A	9.5
16S	1-20UNEF-2B	15.6	13.5	42.8	31.8	7/8-20UNEF-2A	9.5
16	1-20UNEF-2B	15.6	18.3	52.4	31.8	7/8-20UNEF-2A	9.5
18	1-1/8-18UNEF-2B	20.2	18.3	52.4	34.1	1-20UNEF-2A	9.5
20	1-1/4-18UNEF-2B	23.0	18.3	55.6	37.3	1-3/16-18UNEF-2A	9.5
22	1-3/8-18UNEF-2B	23.2	18.3	55.6	40.5	1-3/16-18UNEF-2A	9.5
24	1-1/2-18UNEF-2B	29.5	18.3	58.7	43.7	1-7/16-18UNEF-2A	9.5
28	1-3/4-18UNEF-2B	29.8	18.3	58.7	50.0	1-7/16-18UNEF-2A	9.5
32	2-18UNEF-2B	37.5	18.3	61.9	56.4	1-3/4-18UNEF-2A	11.1
36	2-1/4-16UNEF-2B	43.8	18.3	61.9	62.7	2-18UNEF-2A	12.7
48	3-16UNEF-2B	69.1	18.3	65.1	81.8	3-16UNEF-2A	15.9

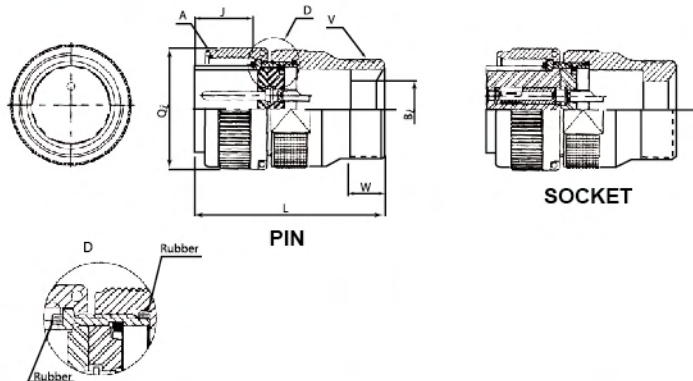
PS.: Shell size and insert arrangement, please refer to page 2-3

STRAIGHT PLUG

WPS3106A



PIN PLUG

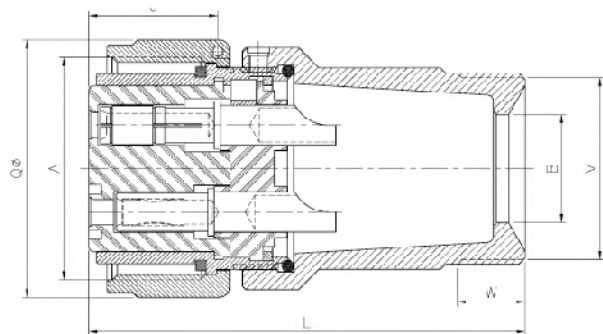
SOCKET
INSERTION

Shell size (ps.1)	Coupling Threads A	Cable end B ± 0.3	Length of connector J ± 0.3	Full length	Outer radius Q ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF-2B	7	9.6	44.1	22	5/8-24UNEF-2A	10
12S	3/4-20UNEF-2B	8.6	13.5	37.7	25.5	5/8-24UNEF-2A	10
14S	7/8-20UNEF-2B	11	11.5	44	28.2	3/4-20UNEF-2A	10
16S	1-20UNEF-2B	12	13.5	42.8	31.8	7/8-20UNEF-2A	9.5
16	1-20UNEF-2B	12	18.3	52.4	31.8	7/8-20UNEF-2A	9.5
18	1-1/8-18UNEF-2B	15	18.3	52.4	34.1	1-20UNEF-2A	9.5
20	1-1/4-18UNEF-2B	17	18.6	57.9	37.0	1-3/16-18UNEF-2A	10.2
22	1-3/8-18UNEF-2B	17	18.6	57.5	40.2	1-3/16-18UNEF-2A	10.2
24	1-1/2-18UNEF-2B	19	18.3	58.7	43.7	1-7/16-18UNEF-2A	9.5
28	1-3/4-18UNS-2B	21	18.3	58.7	50.0	1-7/16-18UNEF-2A	9.5
32	2-18UNS-2B	29	16.7	64	56	1-3/4-18UNS-2A	9.5
36	2-1/4-18UNS-2B	44.5	16.7	60.3	62	2-18UNS-2A	9.5

PS.: Shell size and insert arrangement, please refer to page 2-3.

EUROPEAN STANDARD DIN VDE 0627

WPS3106A 18-10SE • WPS3106A 22-22SE

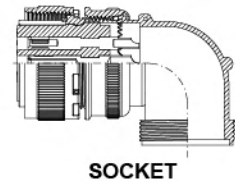
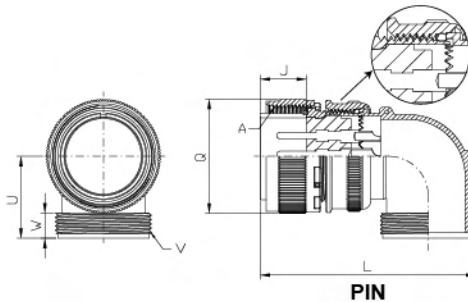


Shell Size (ps.2)	Coupling Threads A	Cable end B ± 0.5	Full length L ± 0.8	M ± 0.8	Outer radius Q ± 0.8	Rear Threads V	Length of Threads over W	Length of Connect J ± 0.1
WPS3106A 18-10SE	1-1/8-18UNEF-2B	15	57.4	-	34.1	1-20UNEF-2A	10	18.7
WPS3106A 22-22SE	1-3/8-18UNEF-2B	17	67.6	-	40.5	1-3/16-18UNEF-2A	12.5	17.2

AMS3108A

ANGLED PLUG

IP 65



SOCKET

PIN

Shell Size	Coupling Threads A	Full Length L	Length of connector J ± 0.3	Outer radius Q ± 0.8	U ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF	13.49	46.02	24.61	25.40	5/8-24UNEF	10.5
12s	3/4-20UNEF	13.49	50.80	26.97	26.97	5/8-24UNEF	9.5
12	3/4-20UNEF	18.26	57.15	26.97	26.97	5/8-24UNEF	9.5
14s	7/8-20UNEF	13.49	53.98	29.36	28.58	3/4-20UNEF	9.5
14	7/8-20UNEF	18.26	58.72	29.36	28.58	3/4-20UNEF	9.5
16s	1-20UNEF	13.49	60.33	31.75	30.18	7/8-20UNEF	9.5
16	1-20UNEF	18.26	65.07	31.75	30.18	7/8-20UNEF	9.5
18	1 1/8-18UNEF	18.26	68.28	34.14	33.32	1-20UNEF	9.5
20	1 1/4-18UNEF	18.26	76.99	37.31	34.93	1 3/16-18UNEF	9.5
22	1 3/8-18UNEF	18.26	76.99	40.49	34.93	1 3/16-18UNEF	9.5
24	1 1/2-18UNEF	18.26	86.51	43.66	39.67	1 7/16-18UNEF	9.5
28	1 3/4-18UNEF	18.26	86.51	50.01	39.67	1 7/16-18UNEF	9.5
32	2-18UNEF	18.26	95.25	56.36	47.63	1 3/4-18UNEF	11.1
36	2 1/4-16UNEF	18.26	100.03	62.71	52.37	2-18UNEF	12.7

AMS3108B

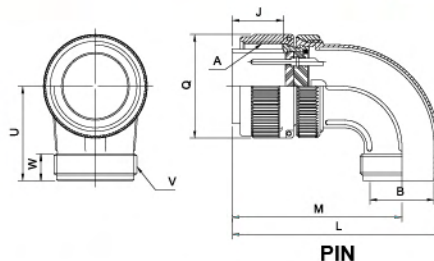
ANGLED PLUG



SOCKET



PIN PLUG



SOCKET

PIN

Shell size (ps.2)	Coupling Threads A	Cable end B ± 0.3	Length of connector J ± 0.3	Full length L	M ± 0.8	Outer radius Q ± 0.8	U ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF-2B	7	9.6	44.6	37.6	22.2	24	5/8-24UNEF-2A	10.5
12S	3/4-20UNEF-2B	9.6	13.5	50.8	41.7	25.4	25.4	5/8-24UNEF-2A	9.5
14S	7/8-20UNEF-2B	12.5	13.5	54.0	43.3	28.6	27.0	3/4-20UNEF-2A	9.5
16S	1-20UNEF-2B	15.6	13.5	60.3	48.0	31.8	28.6	7/8-20UNEF-2A	9.5
16	1-20UNEF-2B	15.6	18.3	65.1	52.8	31.8	28.6	7/8-20UNEF-2A	9.5
18	1-1/8-18UNEF-2B	18.6	18.3	68.3	54.4	34.1	32.1	1-20UNEF-2A	9.5
20	1-1/4-18UNEF-2B	23.0	18.3	77.0	60.7	37.3	33.7	1-3/16-18UNEF-2A	9.5
22	1-3/8-18UNEF-2B	23.2	18.3	77.0	60.7	40.5	33.3	1-3/16-18UNEF-2A	9.5
24	1-1/2-18UNEF-2B	29.6	28.0	86.5	67.1	43.7	34.9	1-7/16-18UNEF-2A	9.5
28	1-3/4-18UNEF-2B	29.8	28.2	86.5	67.1	50.0	38.5	1-7/16-18UNEF-2A	9.5
32	2-18UNEF-2B	35.9	18.3	95.2	71.8	56.4	46.4	1-3/4-18UNEF-2A	11.1
36	2-1/4-16UNEF-2B	42.7	42.2	100.0	73.4	62.7	51.2	2-18UNEF-2A	12.7
48	3-16UNEF-2B	69.1	65.9	125.4	86.5	81.8	59.1	3-16UNEF-2A	15.9

PS. : Shell size and insert arrangement, please refer to page 2-3.

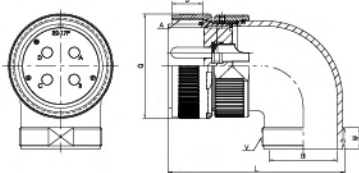
ANGLED PLUG

WPS3108A

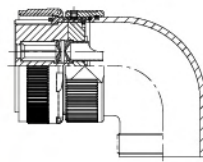
 IP65



PIN PLUG



SOCKET



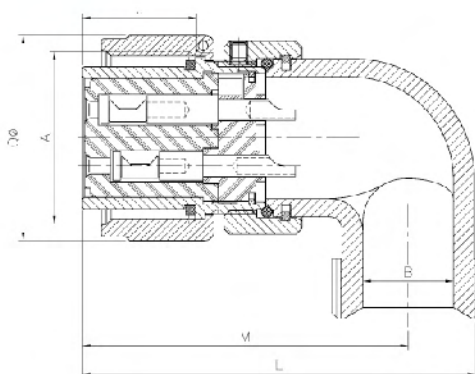
Shell size (ps.1)	Coupling Threads A	Cable end B ± 0.3	Length of connector J ± 0.3	Full length	Outer radius Q ± 0.8	Rear Threads V	Length of thread over W
10SL	5/8-24UNEF-2B	7	13.5	46	22.2	5/8-24UNEF-2A	9.5
12S	3/4-20UNEF-2B	10.5	13.5	50.8	26.97	5/8-24UNEF-2A	9.5
14S	7/8-20UNEF-2B	12.5	13.5	54	28.6	3/4-20UNEF-2A	9.5
16	1-20UNEF-2B	15.6	18.3	65.1	31.8	7/8-20UNEF-2A	9.5
18	1-1/8-18UNEF-2B	18.6	18.3	68.3	34.1	1-20UNEF-2A	9.5
20	1-1/4-18UNEF-2B	23.0	18.3	77	37.3	1-3/16-18UNEF-2A	9.5
22	1-3/8-18UNEF-2B	23.2	18.3	77	40.5	1-3/16-18UNEF-2A	9.5
24	1-1/2-18UNEF-2B	29.6 / 28.0	18.3	86.5	43.7	1-7/16-18UNEF-2A	9.5
28	1-3/4-18UNS-2B	29.8 / 28.2	18.3	86.5	50	1-7/16-18UNEF-2A	9.5
32	2-18UNS-2B	35.9	18.3	95.2	56.4	1-3/4-18UNS-2A	11.1
36	2-1/4UN-2B	43.8 / 42.2	18.3	100	62.7	2-18UNS-2A	12.7

PS. : Shell size and insert arrangement, please refer to page 2-3.

EUROPEAN STANDARD DIN VDE 0627

WPS3108A 18-10SE • WPS3108A 22-22SE

 IP65



Shell Size (ps.2)	Coupling Threads A	Cable end B ± 0.5	Full length L ± 0.8	M ± 0.8	Outer radius Q ± 0.8	Rear Threads V	Length of Threads over W	Length of Connector J ± 0.13
WPS3108A 18-10SE	1-1/8-18UNEF-2B	15	57.4	-	34.1	1-20UNEF-2A	10	18.7
WPS3108A 22-22SE	1-3/8-18UNEF-2B	17	74	-	40.5	1-3/16-18UNEF-2A	12.5	17.2

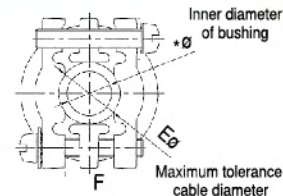
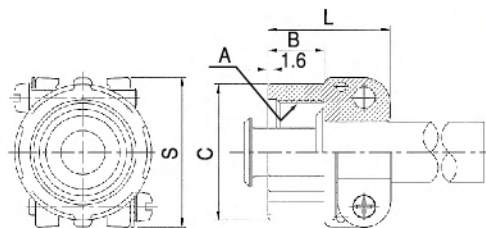
AMS3057-*A

CABLE CLAMP

AMS3057-*A type cable clamp is an accessory used for tightening the cables.

It is to be assembled with plug (3101B, 3106B, 3108B) and junction shell.

Clamping shall be based upon the clamp saddle from two sides. It is attached with clipper and it is able to fix it evenly and accurately.



Item No.	Shell size (ps.1)	Bushing item AMS3420	Coupling Threads A	B	Max. Tolerable cable $C\phi \pm 0.41$	Cable Clamp E	F	Length $L \pm 0.8$	$S + 0.8$	Content ϕ
AMS3057-4A	12S	-4	5/8-24UNEF-2B	10.3	20.6	7.9	1.6	20.6	22.2	6
AMS3057-6A	14S	-6	3/4-20UNEF-2B	10.3	24.6	11.1	2.0	22.2	27.0	8
AMS3057-8A	16S, 16	-8	7/8-20UNEF-2B	10.3	27.8	14.3	2.8	23.8	29.4	11
AMS3057-10A	18	-10	1-20UNEF-2B	10.3	30.2	15.9	3.2	23.8	31.8	14
AMS3057-12A	20, 22	-12	1-3/16-18UNEF-2B	10.3	34.9	19.0	4.0	23.8	37.3	16
AMS3057-16A	24, 28	-12, -16	1-7/16-18UNEF-2B	10.3	42.1	23.8	4.8	26.2	42.9	16
AMS3057-20A	32	-16, -20	1-3/4-18UNS-2B	11.9	51.2	31.8	6.4	27.8	51.6	19
AMS3057-24A	36	-20, -24	2-18UNS-2B	13.5	56.4	34.9	7.5	29.4	57.9	24
AMS3057-40A	48	-28, -32, -40	3-16UN-2B	16.7	83.3	60.3	11.5	44.4	88.9	35

RE: SELECTION OF COMMODITY NAME

(a) Please refer to the column of "Suitable shell size" Please select the commodity names suitable for the shell size of the connector.

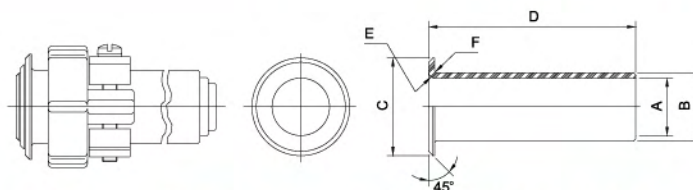
Example: For connector AMS3106 18-1P, because the shell size is 18, the commodity name of cable clamp shall be AMS3057-10A

(b) The maximum size of the cable used in clamping, Please make sure if it is in conformity with the sizes shown in above table.

AMS3420

BUSHING

MS3420 rubber bushing is an accessory and it is used for installation of AMS3057A cable clamp, in case that the cable clamp is not operational while bundling the cables.

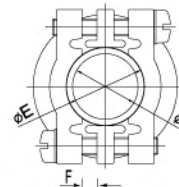
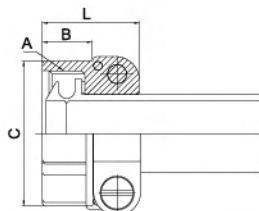
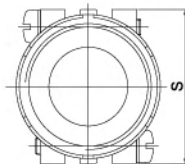


The status of the rubber bushing assembled on AMS3057A cable clamp

Item No.	Inner Diameter $A\phi \pm 0.41$	Out Diameter $B\phi \pm 0.41$	$C\phi \pm 0.41$	Length $D \pm 0.8$	$Fr, Fr \pm 0.8$
MS3420-3	3.30	5.33	9.63	73.0	0.8
MS3420-4	5.59	7.67	12.83	69.8	0.8
MS3420-6	7.92	10.85	15.72	66.7	0.8
MS3420-8	11.10	14.02	18.90	63.5	1.6
MS3420-10	14.27	15.62	22.07	60.3	1.6
MS3420-12	15.88	18.80	27.03	57.2	1.6
MS3420-16	19.05	23.55	33.38	54.0	1.6
MS3420-20	23.80	31.50	40.54	50.8	1.6
MS3420-24	31.75	34.67	46.91	47.6	1.6
MS3420-28	34.92	41.00	52.96	44.4	1.6
MS3420-32	41.25	47.35	59.31	41.3	1.6
MS3420-40	47.60	60.05	72.01	38.1	1.6

CABLE CLAMP

WPS3057-*A

 IP65

Item No.	Shell size (ps.1)	Coupling Threads A	B	Tolerable cable $C\phi \pm 0.41$	Clamp E	F	Length $L \pm 0.8$	$S + 0.8$	Content ϕ
WPS3057-4A	10S, 12S	5/8-24UNEF-2B	10.3	20.6	7.7	2	20.7	22.2	6.6
WPS3057-6A	14S	3/4-20UNEF-2B	10.3	24.6	10.8	2.8	22.2	27.1	8
WPS3057-8A	16S, 16	7/8-20UNEF-2B	10.3	27.8	14.3	2.8	23.8	29.4	11
WPS3057-10A	18	1-20UNEF-2B	10.3	30.2	15.9	3.2	23.8	31.8	14
WPS3057-12A	20, 22	1-3/16-18UNEF-2B	10.3	34.9	19.8	4.0	23.8	37.3	16
WPS3057-16A	24, 28	1-7/16-18UNEF-2B	10.3	42.1	23.8	4.8	26.2	42.9	19
WPS3057-20A	32	1-3/4-18UNS-2B	11.9	51.2	31.8	6.4	27.8	51.6	19
WPS3057-24A	36	2-18UNS-2B	13.5	56.4	34.9	7.5	29.4	57.9	24
WPS3057-40A	48	3-16UN-2B	16.7	83.3	60.3	11.5	44.4	88.9	35

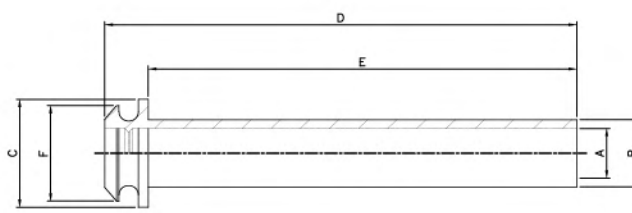
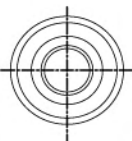
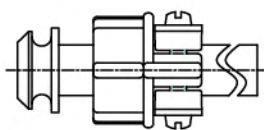
RE: SELECTION OF COMMODITY NAME

(a) Please refer to the column of "Suitable shell size". Please select the commodity names suitable for the shell size of the connector.

Example: For connector WPS3106A 18-1P, because the shell size is 18, the commodity name of cable clamp shall be WPS3057-10A

(b) Please make sure if it is in conformity with the sizes shown in above table.

BUSHING

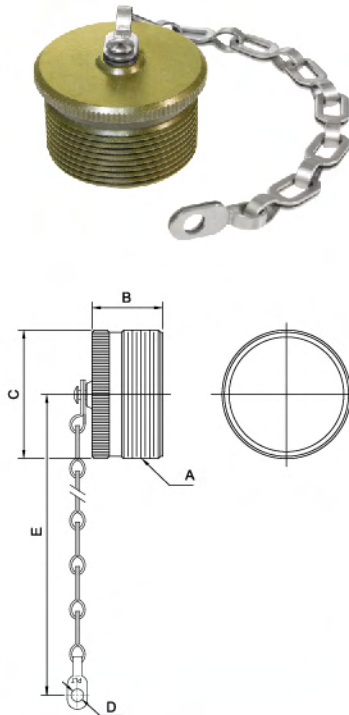


The status of the rubber bushing assembled on WPS3057A cable clamp

Item No.	Inner Diameter $A\phi \pm 0.3$	Out Diameter $B\phi \pm 0.3$	$C\phi \pm 0.3$	Length D ± 0.8	Length E ± 0.3	$F\phi \pm 0.3$
H-156RX (4A)	6	7.6	13	47.5	40.8	12
H-226RXB (6A)	8	10.85	17.4	72.7	66	15.4
H-372RXB (8A)	11.1	14	20	72.5	63.5	18
H-153RX (10A)	14	15.6	22	52.1	44	21.2
H-098RX (12A)	15.88	18.88	26	52	43.4	25
H-152RX (16A)	18	23	33	56.2	46.4	30.4
H-371RB (20A)	23.85	31.5	41	61.4	50.8	36

AMS25042-**D

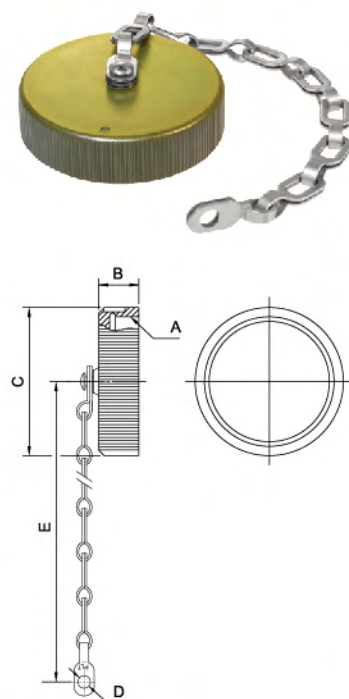
CAP AND CHAIN ASSEMBLY



Part Number	Shell size	Threads A	B	C	D	E
AMS25042-10D	10S	5/8-24UNEF-2A	.815 (20.7)	.625 (15.9)	.177 (4.5)	6.055 (153.8)
AMS25042-12D	12S	3/4-20UNEF	.815 (20.7)	.752 (19.1)	.154 (3.9)	4.488 (114)
AMS25042-14D	14S	7/8-20UNEF	.815 (20.7)	.874 (22.2)	.154 (3.9)	4.488 (114)
AMS25042-16D	16S, 16	1-20UNEF	.815 (20.7)	1.000 (25.4)	.154 (3.9)	4.488 (114)
AMS25042-18D	18	1-1/8-18UNEF	.815 (20.7)	1.126 (28.6)	.154 (3.9)	4.488 (114)
AMS25042-20D	20	1-1/4-18UNEF	.815 (20.7)	1.252 (31.8)	.185 (4.7)	5.000 (127)
AMS25042-22D	22	1-3/8-18UNEF	.815 (20.7)	1.374 (34.9)	.185 (4.7)	5.000 (127)
AMS25042-24D	24	1-1/2-18UNEF	.815 (20.7)	1.500 (38.1)	.185 (4.7)	5.472 (139)
AMS25042-28D	28	1-3/4-18UNS	.815 (20.7)	1.752 (44.5)	.185 (4.7)	7.480 (190)
AMS25042-32D	32	2-18UNS	.815 (20.7)	2.000 (50.8)	.217 (5.5)	7.480 (190)
AMS25042-36D	36	2-1/4-16UN	.815 (20.7)	2.252 (57.2)	.217 (5.5)	7.480 (190)

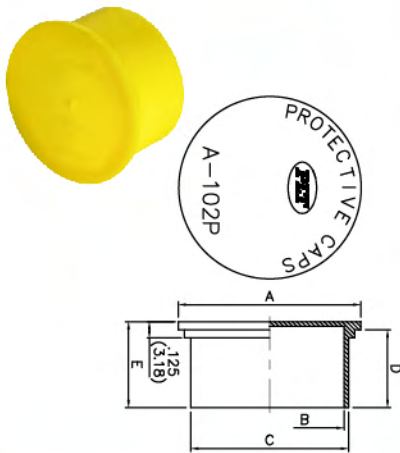
AMS25043-**D

CAP AND CHAIN ASSEMBLY



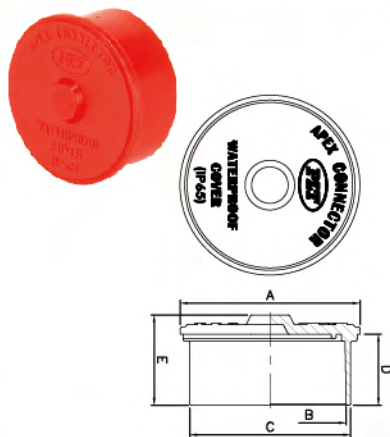
Part Number	Shell size	Threads A	B	C	D	E
AMS25043-10D	10S	5/8-24UNEF-2B	.437 (11.1)	.787 (20.0)	.177 (4.5)	6.055 (153.8)
AMS25043-12D	12S	3/4-20UNEF	.437 (11.1)	.874 (22.2)	.138 (3.5)	4.488 (114)
AMS25043-14D	14S	7/8-20UNEF	.437 (11.1)	1.000 (25.4)	.138 (3.5)	4.488 (114)
AMS25043-16D	16S, 16	1-20UNEF	.437 (11.1)	1.157 (29.4)	.138 (3.5)	4.488 (114)
AMS25043-18D	18	1-1/8-18UNEF	.437 (11.1)	1.252 (31.8)	.138 (3.5)	4.488 (114)
AMS25043-20D	20	1-1/4-18UNEF	.437 (11.1)	1.374 (34.9)	.138 (3.5)	5.000 (127)
AMS25043-22D	22	1-3/8-18UNEF	.437 (11.1)	1.500 (38.1)	.138 (3.5)	5.000 (127)
AMS25043-24D	24	1-1/2-18UNEF	.500 (12.7)	1.689 (42.9)	.138 (3.5)	5.472 (139)
AMS25043-28D	28	1-3/4-18UNS	.500 (12.7)	1.921 (48.8)	.169 (4.3)	7.480 (190)
AMS25043-32D	32	2-18UNS	.500 (12.7)	2.189 (55.6)	.185 (4.7)	7.480 (190)
AMS25043-36D	36	2-1/4-16UN	.500 (12.7)	2.437 (61.9)	.185 (4.7)	7.480 (190)

CABLE CLAMP



Part Number	A	B	C	D	E
A-097P	.748(19.0)	.531(13.5)	.748(19.0)	.626(15.9)	.661(16.8)
A-098P	.858(21.8)	.654(16.6)	.748(19.0)	.626(15.9)	.661(16.8)
A-099P	1.031(26.2)	.783(19.9)	.748(19.0)	.626(15.9)	.661(16.8)
A-100P	1.126(28.6)	.894(22.7)	.748(19.0)	.626(15.9)	.661(16.8)
A-101P	1.248(31.7)	1.024(26.0)	.748(19.0)	.626(15.9)	.661(16.8)
A-102P	1.406(35.7)	1.150(29.2)	.748(19.0)	.626(15.9)	.661(16.8)
A-103P	1.500(38.1)	1.272(32.3)	.748(19.0)	.626(15.9)	.661(16.8)
A-104P	1.642(41.7)	1.390(35.3)	.748(19.0)	.626(15.9)	.661(16.8)
A-105P	1.874(47.6)	1.650(41.9)	.748(19.0)	.626(15.9)	.661(16.8)
A-106P	2.126(54.0)	1.890(48.0)	.748(19.0)	.626(15.9)	.661(16.8)
A-107P	2.339(59.4)	2.142(54.4)	.748(19.0)	.626(15.9)	.661(16.8)

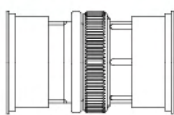
PROTECTIVE CAPS



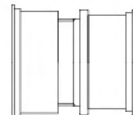
Part Number	A	B	C	D	E
A-097R	.839(21.3)	.606(15.4)	.665(16.9)	.500(12.7)	.535(13.6)
A-098R	.969(24.6)	.720(18.3)	.776(19.7)	.500(12.7)	.535(13.6)
A-099R	1.126(28.6)	.850(21.6)	.906(23.0)	.500(12.7)	.535(13.6)
A-100R	1.220(31.0)	.972(24.7)	1.035(26.3)	.500(12.7)	.535(13.6)
A-101R	1.331(33.8)	1.094(27.8)	1.154(29.3)	.563(14.3)	.598(15.2)
A-102R	1.465(37.2)	1.232(31.3)	1.299(33.0)	.563(14.3)	.598(15.2)
A-103R	1.591(40.4)	1.339(34.0)	1.409(35.8)	.563(14.3)	.598(15.2)
A-104R	1.701(43.2)	1.465(37.0)	1.531(38.9)	.563(14.3)	.598(15.2)
A-105R	1.949(49.5)	1.717(43.6)	1.791(45.5)	.563(14.3)	.598(15.2)
A-106R	2.220(56.4)	1.965(49.9)	2.039(51.8)	.563(14.3)	.598(15.2)
A-107R	2.443(61.8)	2.217(56.3)	2.291(58.2)	.598(15.2)	.634(16.1)

TYPES AND SIZES REQUIRED

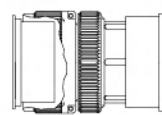
AMS3101



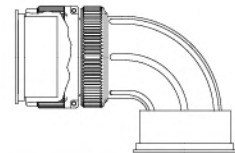
AMS3102



AMS3106



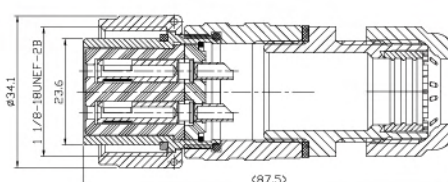
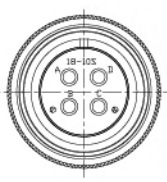
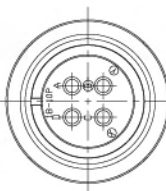
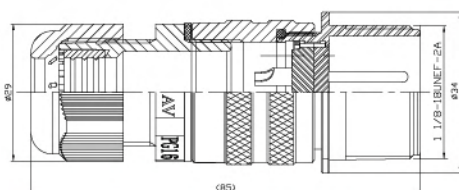
AMS3108



Shell size	Mating End	Termination End	Mating End	Termination End	Mating End	Termination End	Mating End	Termination End
12S	A-097R	A-097R	A-098R		A-098P	A-097R	A-098P	A-097R
14S	A-099R	A-098R	A-099R	A-098R	A-099P	A-098R	A-099P	A-098R
16S, 16	A-101R	A-099R	A-100R	A-099R	A-100P	A-099R	A-100P	A-099R
18	A-103R	A-100R	A-101R	A-100R	A-101P	A-100R	A-101P	A-100R
20	A-105R	A-102R	A-102R	A-101R	A-102P	A-102R	A-102P	A-102R
22	A-107R	A-102R	A-103R	A-102R	A-103P	A-102R	A-103P	A-102R
24	A-109R		A-104R	A-103R	A-104P		A-104P	
28	A-111R		A-105R		A-105P		A-105P	
32	A-113R	A-105R	A-106R		A-106P	A-105R	A-106P	A-105R
36	A-115R	A-106R	A-107R		A-107P	A-106R	A-107P	A-106R

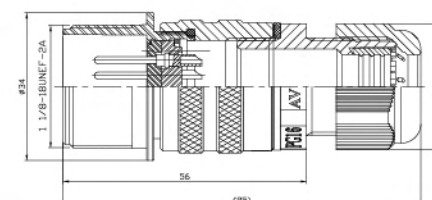
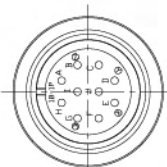
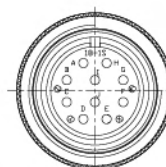
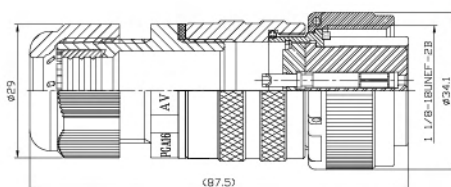
WPS3106A 18-10SA-R • WPS3101A 18-10PA-R

IP67



WPS3106A 18-1SA-R • WPS3101A 18-1PA-R

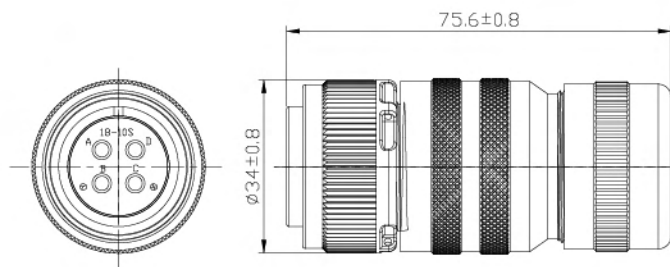
IP67



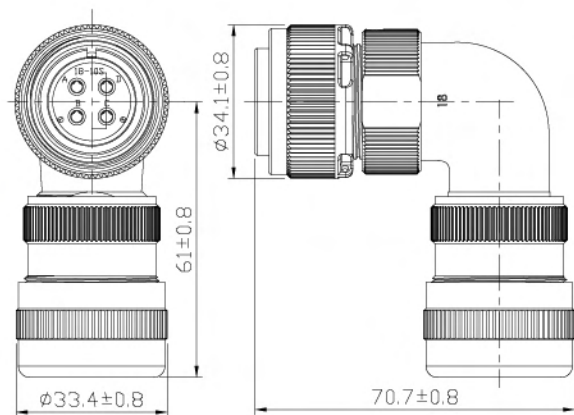
No. ELECTRICAL SPECIFICATIONS

1	Test Current (Amperes)		13
2	Operating voltage (V.)	DC.V	700
		AC.V (r.m.s)	500
3	Withstanding voltage (V.)		2000
4	Insulation resistance (MΩ MIN.)		5000

AMS3106A ACGS17-18-10S-RA-R



AMS3108A ACGB17-18-10S-RA-R

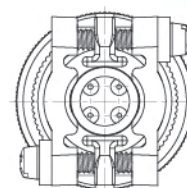
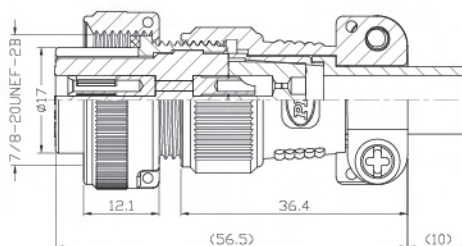
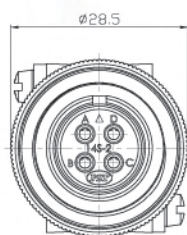


No. ELECTRICAL CHARACTERISTICS

1	Withstanding voltage	AC : 2000V / 1 MINUTE
2	Insulation resistance	5000MΩ min. AT DC 500V
3	Contact Resistance	DC 1A MAX 3mΩ

WPS3106F 14S 2S-R

IP 65

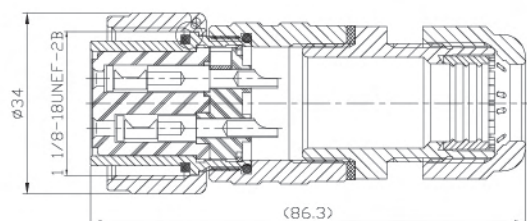
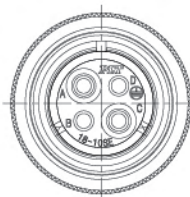


No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 2000V / 1 MINUTE
2	Insulation resistance	5000MΩ min.AT DC 500V

WPS3106A 18-10 SEA-R

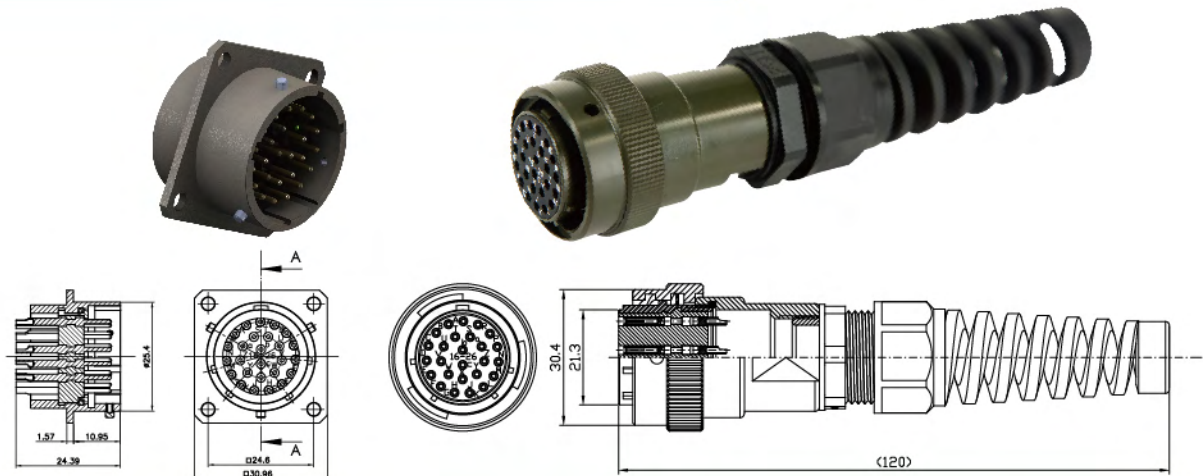
IP 67



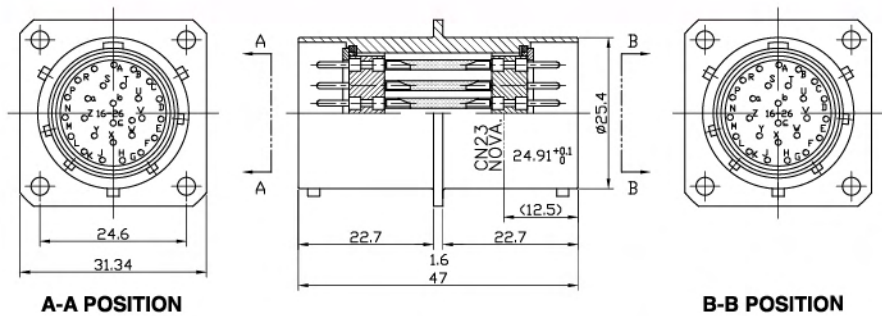
No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 2800V / 1 MINUTE
2	Insulation resistance	5000MΩ min.AT DC 500V

AMS3126A 16-26P-R • AMS3126A 16-26 SA-R



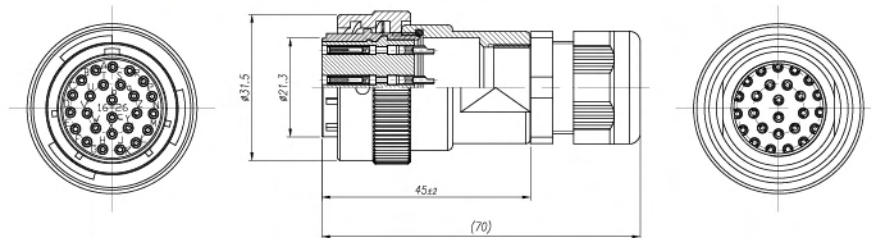
AMS3122E 16-26A



A-A POSITION

B-B POSITION

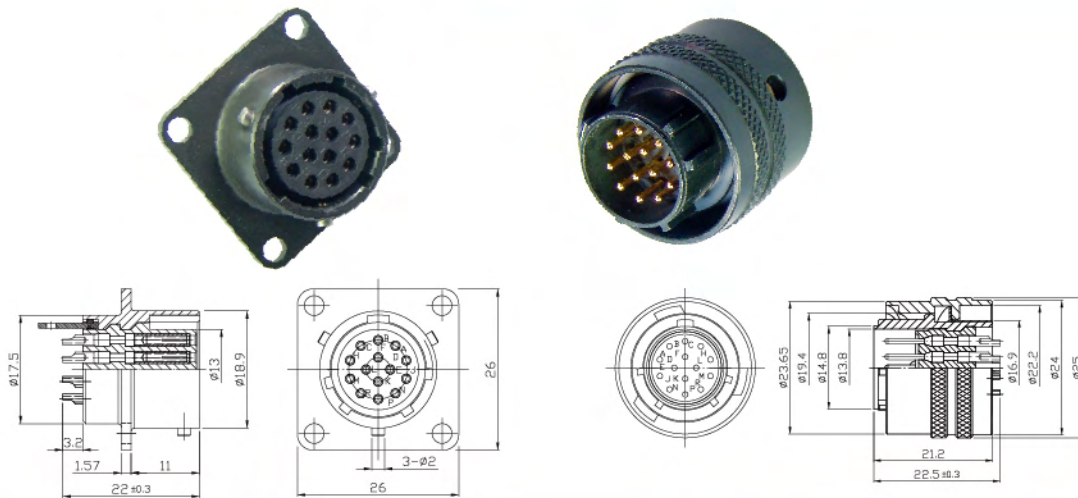
AMS3126A 16-26S



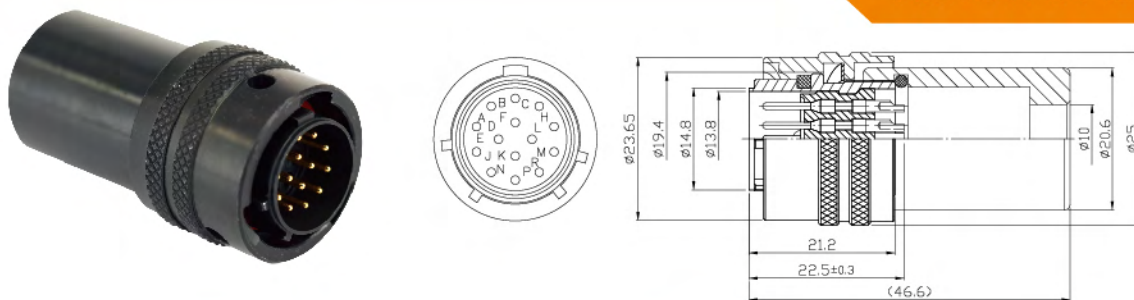
No. ELECTRICAL CHARACTERISTICS

1	Rated Current / voltage	5A 125V
2	Operation limit voltage (rms)	200V AC
3	Withstanding voltage (rms 1 minute)	1000V AC
4	Insulation resistance (at DC 500V)	1000MΩ MIN.
5	Contact resistance (at DC 1A)	3mΩ MAX.

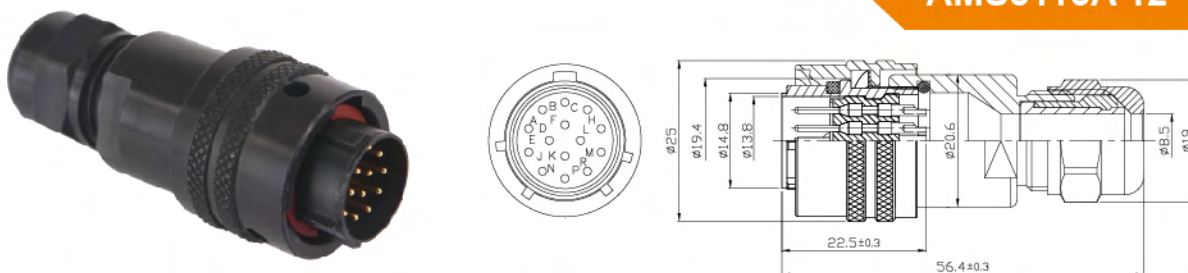
AMS3112E 12-14SE • AMS3116A 12-14PA



AMS3116A 12-14PB



AMS3116A 12-14PC



No. ELECTRICAL CHARACTERISTICS

1	Rated Current / voltage	5A 125V
2	Operation limit voltage (rms)	200V AC
3	Withstanding voltage (rms 1 minute)	1000V AC
4	Insulation resistance (at DC 500V)	1000MΩ MIN.
5	Contact resistance (at DC 1A)	3mΩ MAX.

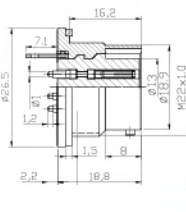
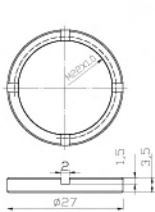
WPS3112E • WPS3116A



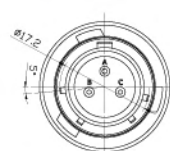
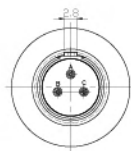
#20x8 PIN CONNECTOR



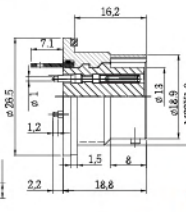
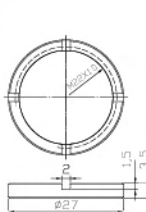
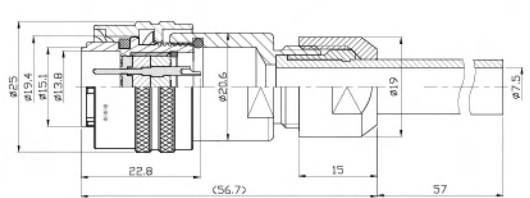
#20x8 PIN CONNECTOR



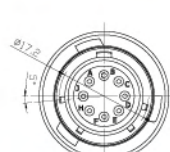
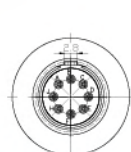
WPS3112E 12-3S



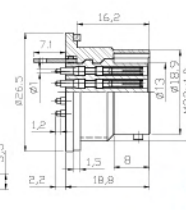
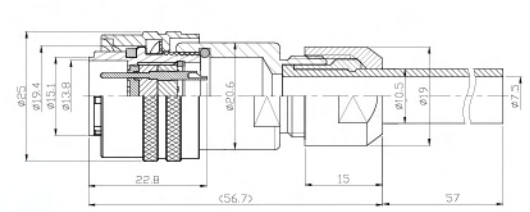
WPS3116A 12-3P



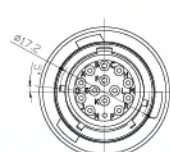
WPS3112E 12-8S



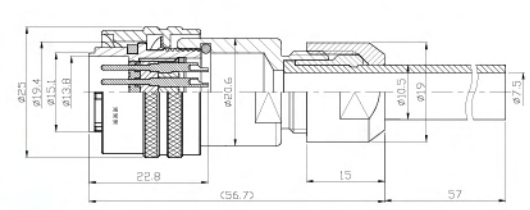
WPS3116A 12-8P



WPS3112E 12-14S



WPS3116A 12-14P



No. ELECTRICAL CHARACTERISTICS

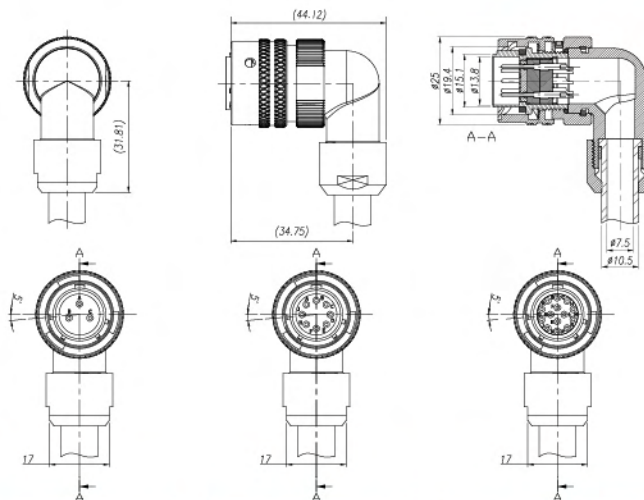
1	Rated Current / voltage	5A 125V
2	Operation limit voltage (AC.V.rms)	200
3	Withstanding voltage (AC.V.rms) 1 minute	1000
4	Insulation resistance(MΩ MIN.) at DC 500V	1000
5	Contact resistance (mΩ MAX.) at DC 1A	3

WPS3118A

IP 65



#20x8 PIN CONNECTOR



WPS3118A 12-3P

WPS3118A 12-8P

WPS3118A 12-14P

MIL-DTL-26482

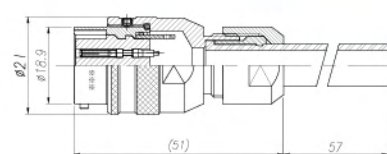
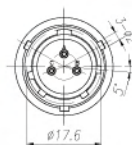
WPS3111A

IP 65

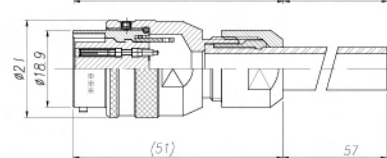
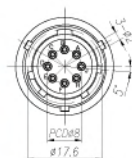


#20x14 PIN CONNECTOR

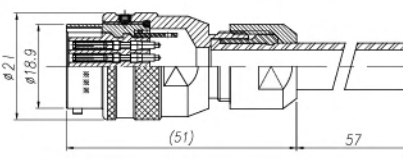
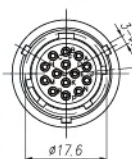
WPS3111A 12-3S



WPS3111A 12-8S



WPS3111A 12-14S



No.	ELECTRICAL CHARACTERISTICS	
1	Rated Current / voltage	5A 125V
2	Operation limit voltage (AC.V.rms)	200
3	Withstanding voltage (AC.V.rms) 1 minute	1000
4	Insulation resistance(MΩ MIN.) at DC 500V	1000
5	Contact resistance (mΩ MAX.) at DC 1A	3

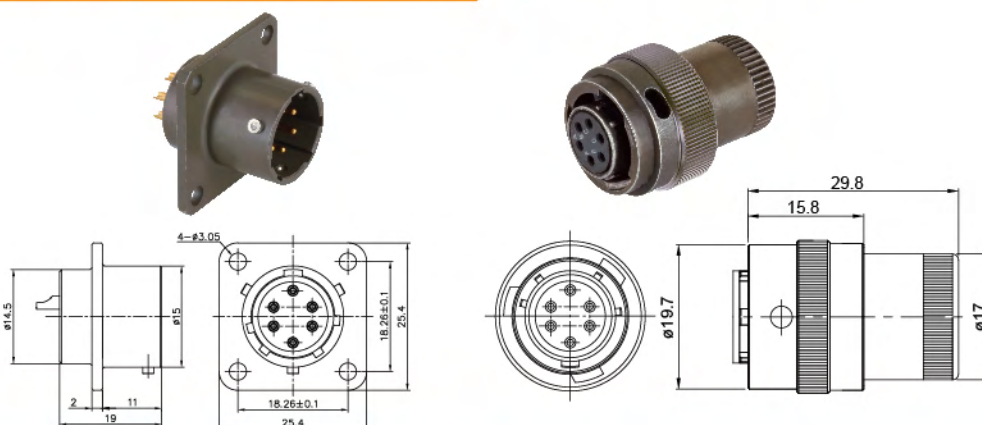
WPS3112E 8-3PA-R • WPS3116E 8-3S

IP65



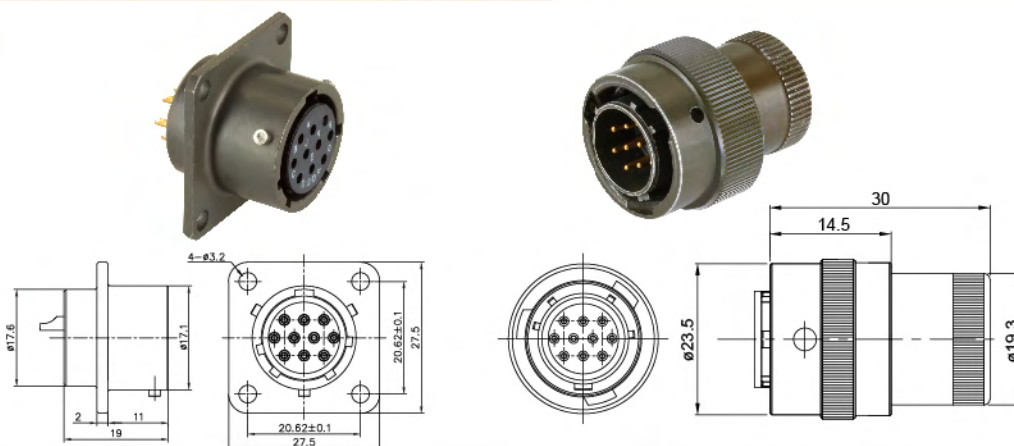
WPS3112E 10-6P • WPS3116E 10-6S

IP65



WPS3112E 12-10S • WPS3116E 12-10PA-R

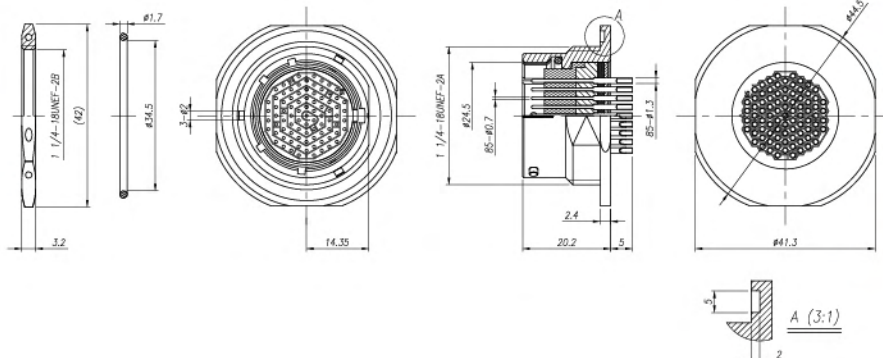
IP65



No ELECTRICAL CHARACTERISTICS

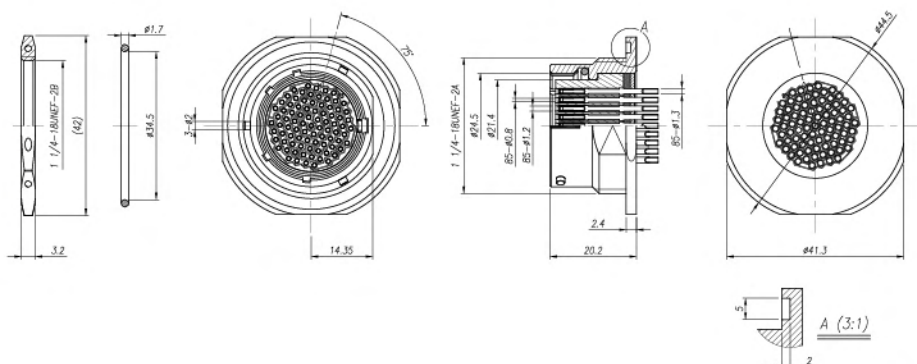
1	Rated Current / voltage	5A 125V
2	Operation limit voltage (AC.V.rms)	200
3	Withstanding voltage (AC.V.rms) 1 Minute	1000
4	Insulation resistance (MΩ MIN.) at DC 500V	1000
5	Contact resistance (mΩ MAX.) at DC 1A	3

WPM-3285-RM



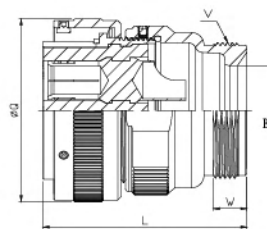
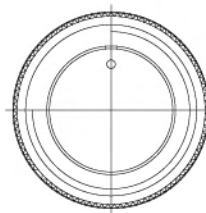
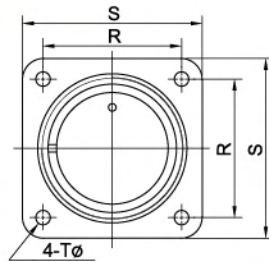
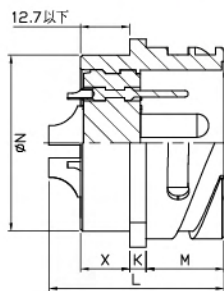
OTHERS

WPM-3285-RFY



No.	ELECTRICAL CHARACTERISTICS	
1	Rate Current / voltage	5A 125V
2	Operation limit voltage (rms)	200V AC
3	Withstanding voltage (rms 1 minute)	1000V AC
4	Insulation resistance (at DC 500V)	1000MΩ MIN.
5	Contact resistance (at DC 1A)	3mΩ MAX.

AMS3102R • AMS3106M



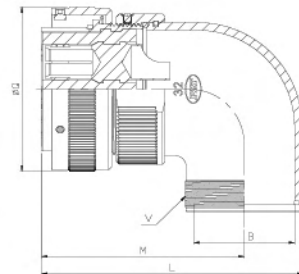
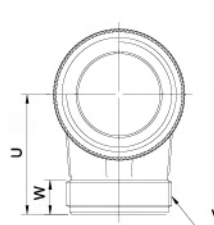
• AMS3102R

Shell Size	Thickness of the assembly rim under K	Length L	Length of assembly rim M +0.79 - 0	Outer radius of the terminal M + 0 - 4.78	Position of the holes reserved for assembly R ± 0.13	Length of the protruded sides S ± 0.79	Hole diameter of the assembly holes T +0.25 - 0.13
24	3.0	33.4	20.62	38.91	34.92	44.45	3.73
28	3.0	33.4	20.62	45.26	39.67	50.80	3.73
32	4.3	33.4	22.22	51.26	44.45	57.15	4.39
36	4.3	33.4	22.22	57.96	49.23	63.50	4.39
48	4.3	33.2	22.22	77.90	66.68	82.55	4.39

• AMS3106M

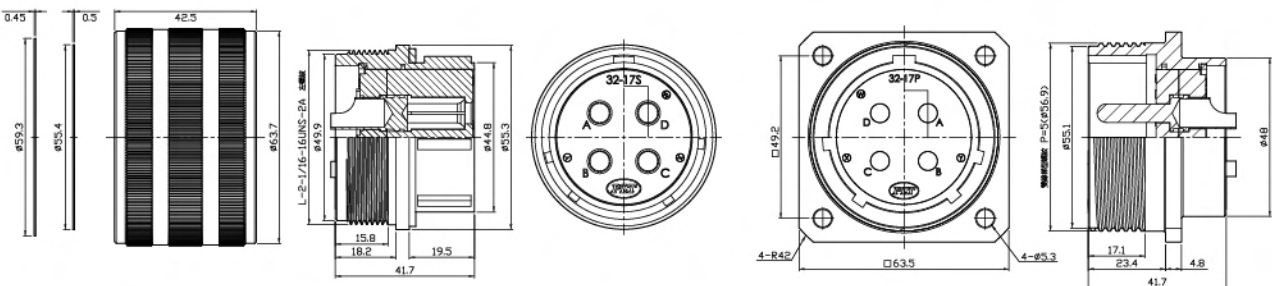
Shell Size	Cable end B ± 0.3	Length L	Rear Threads V	Length of thread over W
24	29.5	58.72	1-7/16-18UNEF-2A	9.5
28	29.8	58.72	1-7/16-18UNEF-2A	9.5
32	37.5	61.93	1-3/4-18UNEF-2A	11.1
36	43.8	61.93	2-18UNS-2A	12.7
48	69.1	65.07	3-16UN-2A	15.9

AMS3108M

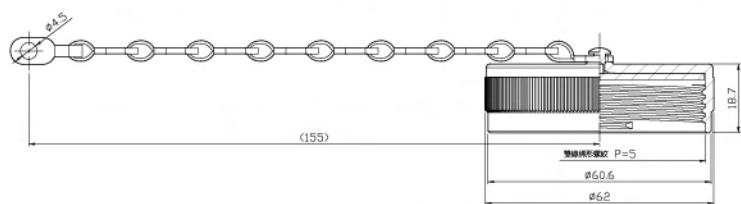


Shell size (ps.2)	Cable end B ± 0.3	Full length L	M ± 0.8	Outer radius Q ± 0.8	U ± 0.8	Rear Treads V	Length of tread over W	
24	29.6	28.0	86.5	67.1	43.7	34.9	1-7/16-18UNEF-2A	9.5
28	29.8	28.2	86.5	67.1	50.0	38.5	1-7/16-18UNEF-2A	9.5
32	35.9	95.2	71.8	56.4	46.4	46.4	1-3/4-18UNEF-2A	11.1
36	42.7	42.2	100.0	73.4	62.7	51.2	2-18UNS-2A	12.7
48	69.1	65.9	125.4	86.5	81.8	59.1	3-16UN-2A	15.9

AMS17344R 32C-17S • AMS17346R 32C-17P



AMS17349C32B

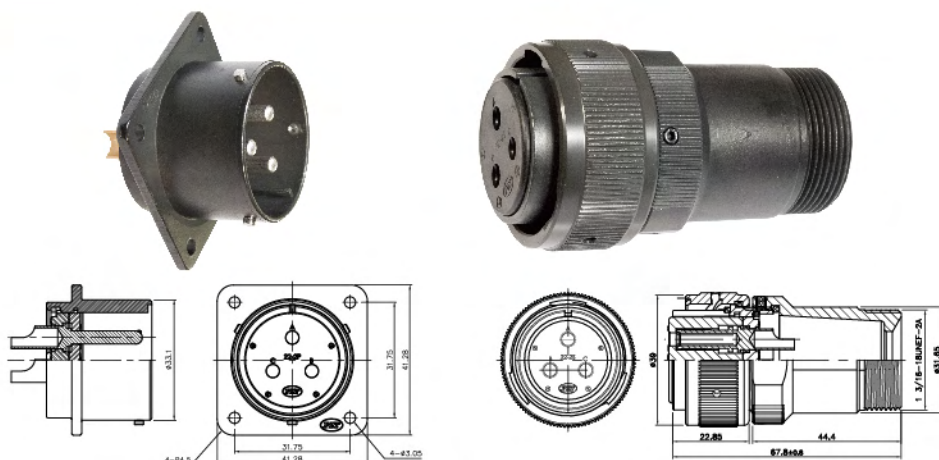


No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 2800V / 1 MINUTE
2	Test Current	<u>80</u> AMPERES
3	Insulation resistance	5000MΩ min. AT DC 500V

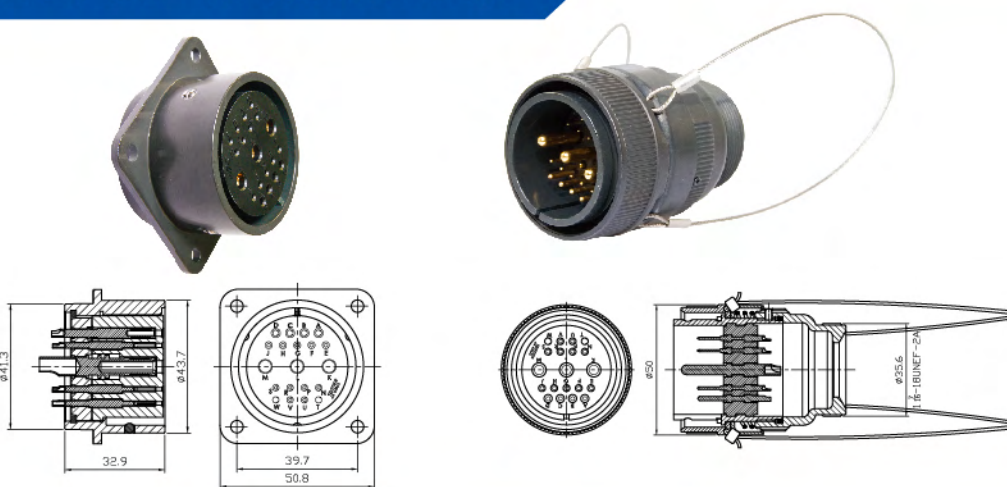
WPS3102F 22-2P-R • WPS3106F 22-2S-R

 IP65



No.	ELECTRICAL SPECIFICATIONS	
1	Withstanding voltage	AC:2800V/1MINUTE
2	Insulation resistance	5000MΩ min.AT DC 500V

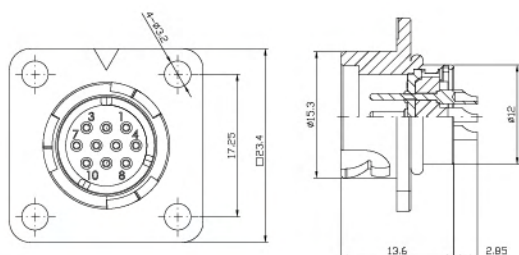
WPS3102B 28-18S • WPS3106B 28-18P



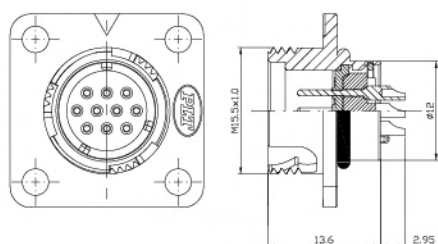
AMS25042B-28D-R • WPS3108F 28-18P-KF009



No.	ELECTRICAL SPECIFICATIONS	
1	Withstanding voltage	AC:2000V/1MINUTE
2	Insulation resistance	5000MΩ min.AT DC 500V



WPM-15-**RM-R**

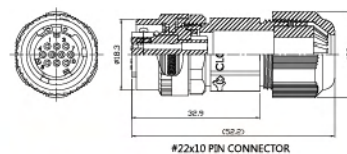


WPM-15-**RMB-R**

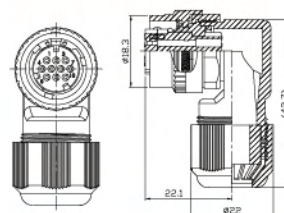


Solder Pin

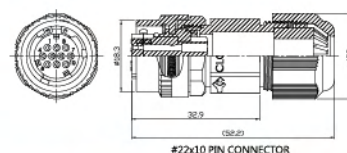
Crimp Pin



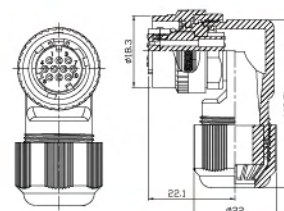
WPM-15-**PF-R** (Solder Pin)



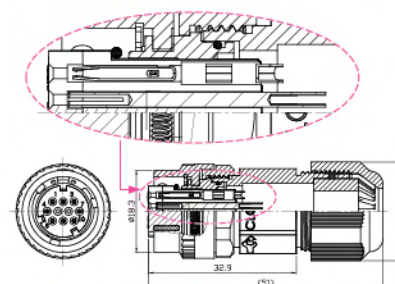
WPM-15-**LPF-R** (Solder Pin)



WPM-15-**PFG-R** (Crimp Pin)



WPM-15-**LPFG-R** (Crimp Pin)



WPM-15-**PFB-R** (Solder Pin)

WPM-15-**LPFB-R** (Solder Pin)

NO. ELECTRICAL CHARACTERISTICS

1	Contacts Configuration (◆)	2	10
2	Operation limit voltage (AC.V.rms)	200	200
3	Withstanding voltage (AC.V.rms) 1 minute	1500	900
4	Insulation resistance (MΩ MIN.) at DC 500V	1000	1000

WPM-1510-PFA • WPM-1510-AdMA-R

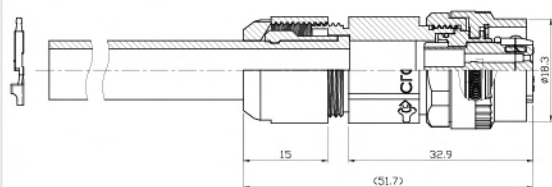
 IP65 



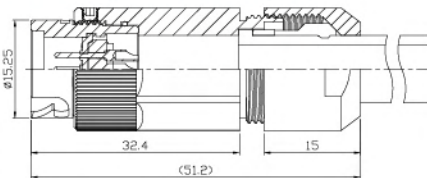
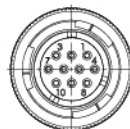
WPM-1510-PFA (Crimp Pin)



WPM-1510-AdMA-R



#22x10 PIN CONNECTOR

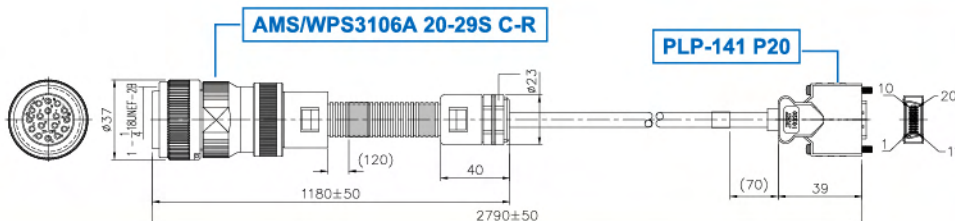


#22x10 PIN CONNECTOR

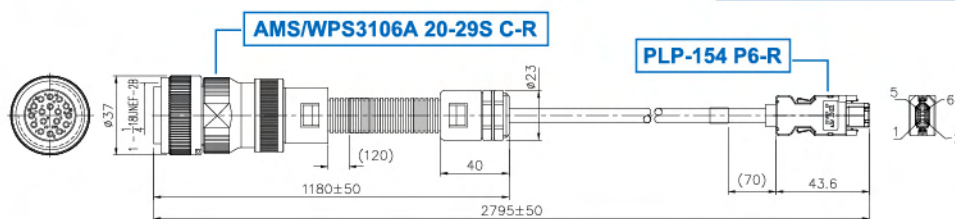
NO. ELECTRICAL CHARACTERISTICS

1	Operation limit voltage (AC.V.rms)	200
2	Withstanding voltage (AC.V.rms) 1 minute	900
3	Insulation resistance (MΩ MIN.) at DC 500V	1000

WA-1013A-R



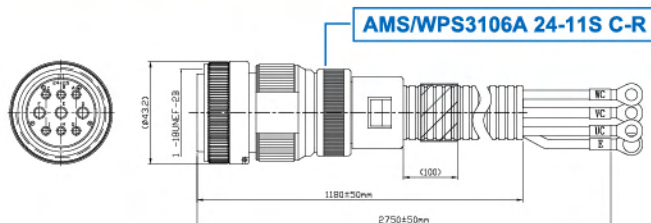
WA-1014A-R



No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 300V / 1 MINUTE
2	Insulation resistance	100MΩ min.AT DC 500V

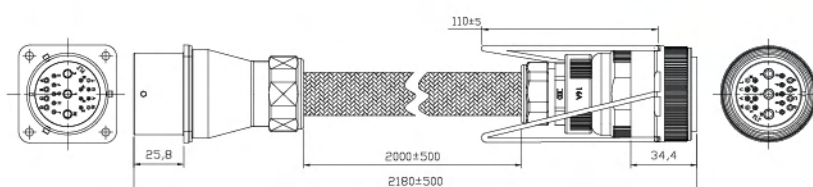
WA-1015A-R



No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 600V / 1 MINUTE
2	Insulation resistance	100MΩ min.AT DC 500V

WA-753A

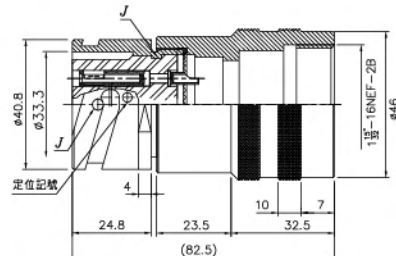
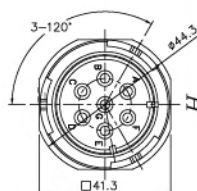
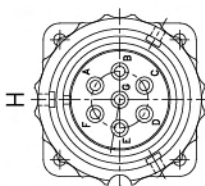
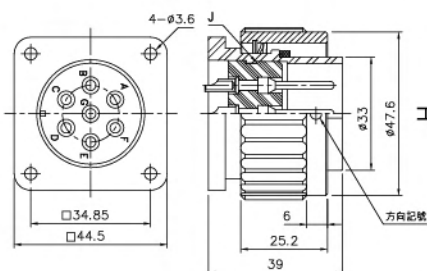


No. ELECTRICAL SPECIFICATIONS

1	Withstanding voltage	AC : 600V / 1 MINUTE
2	Insulation resistance	100MΩ min.AT DC 500V

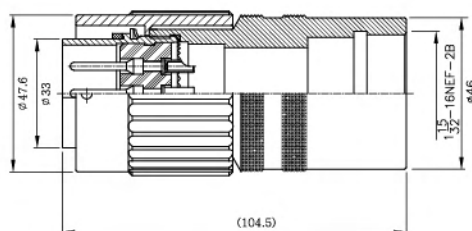
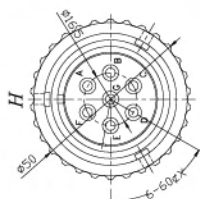
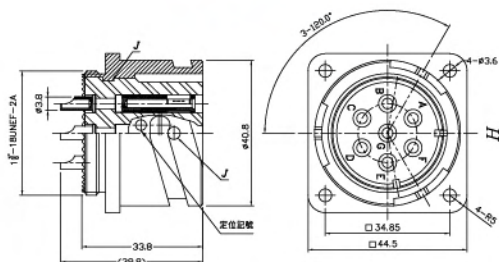
WPS-2407-SM • WPS-2407-LF

 IP65



WPS-2407-SF • WPS-2407-LM

 IP65



No. ELECTRICAL SPECIFICATIONS

1	Operating Voltage	DC: 700V	AC(rms): 500V
2	Withstanding Voltage	AC: 2000V	1 minute
3	Test Current	22 Amperes	
4	Insulation Resistance	5000MΩ min. at DC : 500V	

IPO / OEM / ODM Series

PLT-6906-R • PLT-6906-P

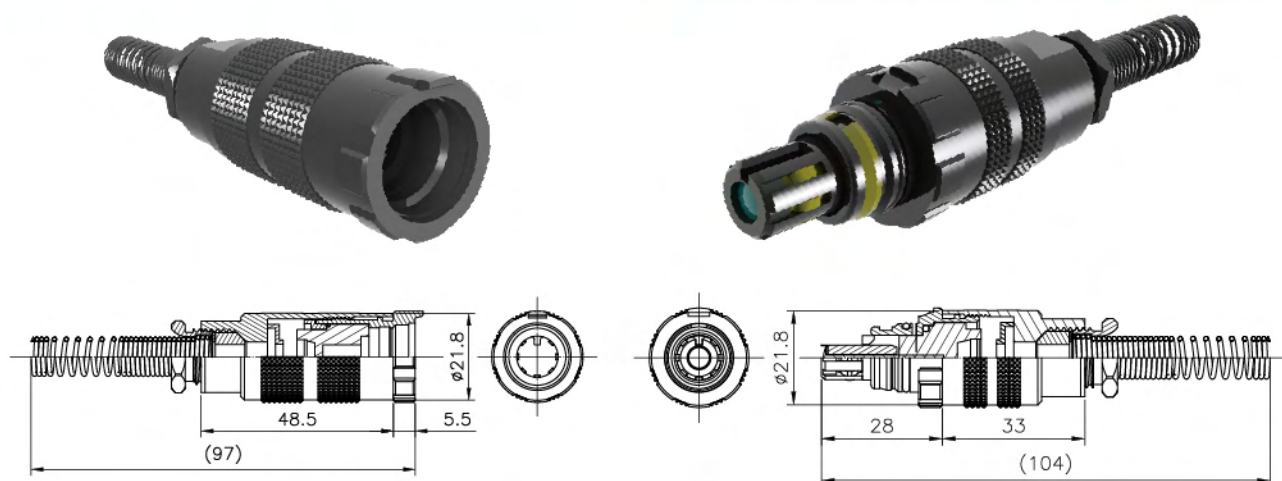


No. ELECTRICAL CHARACTERISTICS

1	Operation Current (per contact)	500 m A
2	Operation voltage (AC.V.rms)	60
3	Dielectric strength (V.rms)	500
4	Insulation resistance (MΩ MIN.) at DC 100V	1000
5	Contact resistance (mΩ MIN.) at DC 1A	50

IPO / OEM / ODM Series

WPM-107-ADF-R • WPM-107-PM-R

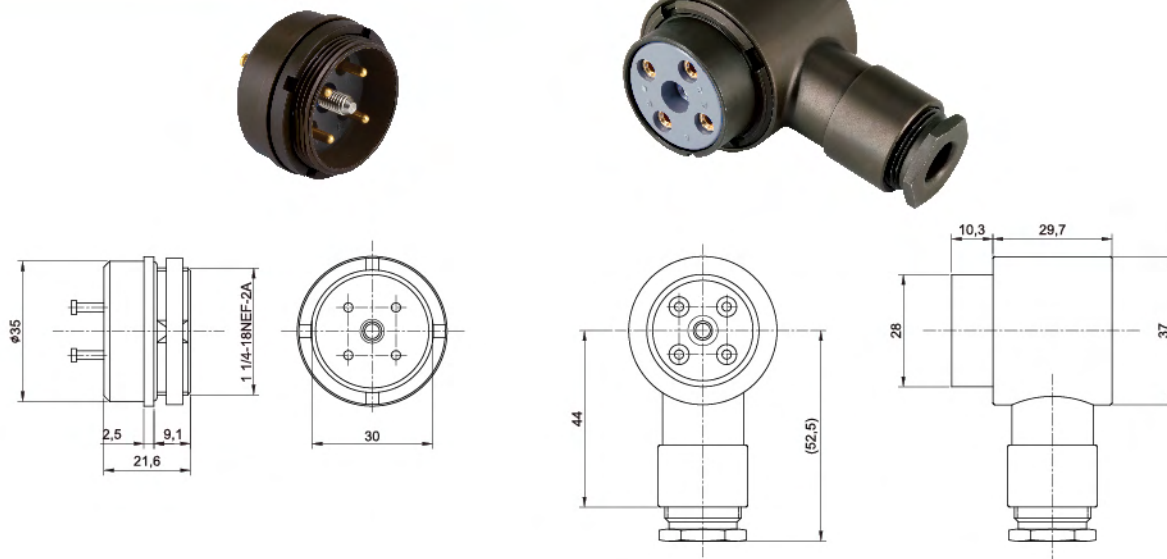


No. ELECTRICAL CHARACTERISTICS

1	Rate Current / voltage	3A 125V
2	Operation limit voltage (rms)	200V AC
3	Withstanding voltage (rms 1 minute)	1000V AC
4	Insulation resistance (at DC 500V)	1000MΩ MIN.
5	Contact resistance (at DC 1A)	5mΩ MAX.

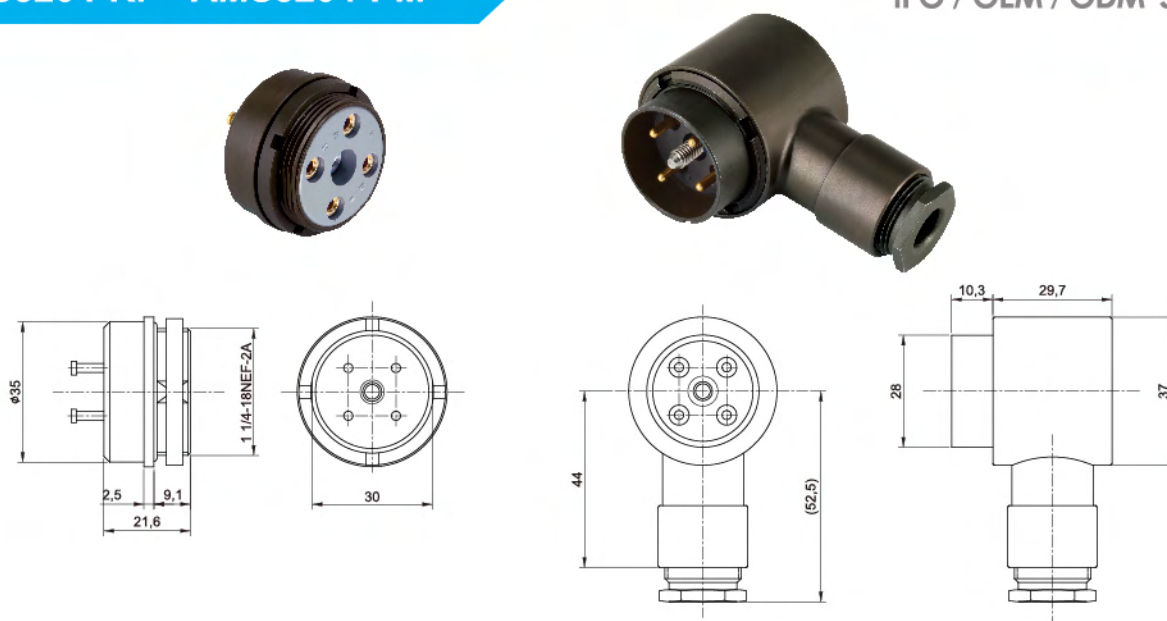
AMS3204-RM • AMS3204-PF

IPO / OEM / ODM Series



AMS3204-RF • AMS3204-PM

IPO / OEM / ODM Series



NO. ELECTRICAL CHARACTERISTICS

1	Contacts Configuration (◆)	4	18
2	Rate Current	35A	7.5A
3	Withstanding voltage (rms 1 minute)	2000V	1500V
4	Insulation resistance (at DC 500V)	1000MΩ MIN.	1000MΩ MIN.
5	Contact resistance (at DC 1A)	3mΩ MAX.	3mΩ MAX.



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總公司/總廠 : 24264 新北市新莊區民安西路405號 E-mail: apexmail@plt.com.tw
Headquarters No. 405, Min-an W. Rd., Sinhuang District, New Taipei City 24264, Taiwan
TEL : +886-2-2206-8899 FAX : +886-2-2208-0559

台中/大雅廠 : 42844 台中市大雅區民生路3段191巷4號、6號、8號 (面積8,888 m²)
Taichung Plant No. 8, Lane 191, Section 3, Minsheng Rd., Daya District, Taichung City 42844, Taiwan
TEL : +886-4-2560-7272 FAX : +886-4-2565-2228

台南/仁德廠 : 71755 台南市仁德區文華路2段63號
Tainan Plant No. 63, Section 2, Wenhua Rd., Rende District, Tainan City 71755, Taiwan
TEL : +886-6-266-7798 FAX : +886-6-266-7859

日本分公司 : 株式会社 PLT JAPAN Technology R&D / Import & Export
Japan 〒151-0053 東京都渋谷区代々木3丁目28番-1
Branch Office 28-1, Yoyogi 3-Chome, Shibuya-ku, Tokyo, Japan
TEL : +81-3-6276-8845 FAX : +81-3-6276-6645
Mobile : +81-80-4166-2688



IPO 專業採購服務 策略聯盟合作夥伴
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