



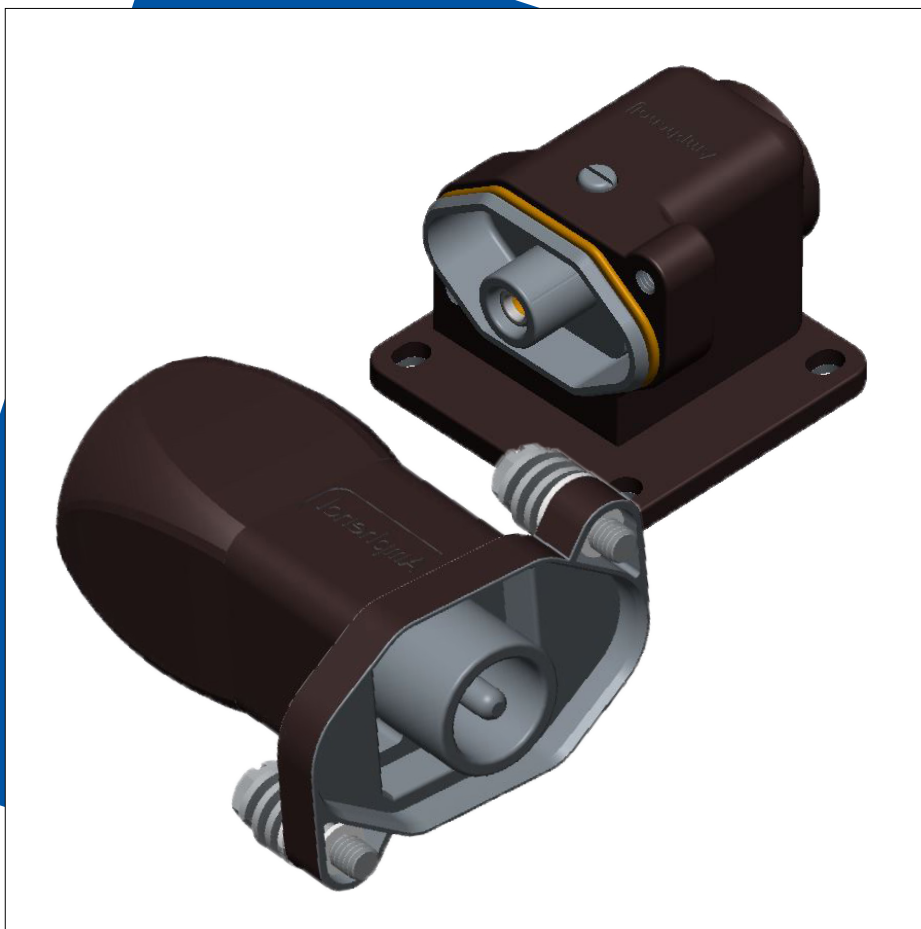
HEAVY | MATE HV

ASRC

www.amphenolpcd.com.cn

HIGHPOWER @ AMPHENOL
TRUSTED GLOBALLY

ASRC-Q 60A	2
..	
SPECIFICATIONS	3
1-PIN	4
2+PE	6
 ASRC 400A	8
SPECIFICATIONS	9
1-PIN	10
2-PIN	12
3-PIN	14
4-PIN	16
 ASRC 700A	20
SPECIFICATIONS	21
1-PIN	22
2-PIN	24
3-PIN	26
 EMP ASRC 33/33RA	28
SPECIFICATIONS	29
EMP ASRC 33	30
EMP ASRC 33RA	32
 EMP ASRC 36	34
..	
SPECIFICATIONS	35
EMP ASRC 36	36
 TOOLS	38



Leakage proof,
EN 45545 certified,
High-resistance to vibrations & shocks

STANDARDS - LEAKAGE PROOF, SAFETY, ROBUSTNESS

IP68, IP69K
EN 45545, EN 61984
IEC 61373 - 2010 (GB/T 21563-2018)
IEC 60529 - 2001 (GB 4208-2008)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	In accordance with IEC 61373 - 2010 (GB/T 21563-2018)
Contact retention force	3.6 & 4mm: 110N

ELECTRICAL

Rated current	60A Max.
Rated voltage	1,000V AC
Dielectric withstand voltage	4,000V (1min)
Contact resistance	Less than 0.9mΩ
Insulator resistance	5,000MΩ Min.
Temperature rise	≤ 60K

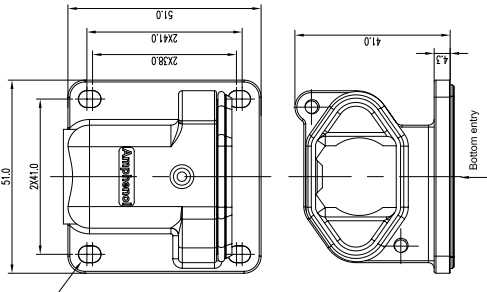
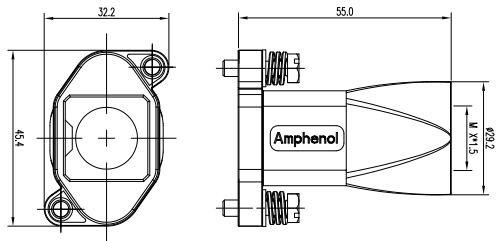
ENVIRONMENTAL

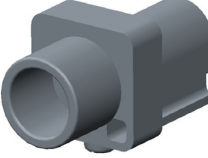
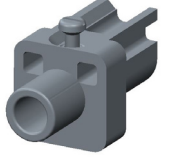
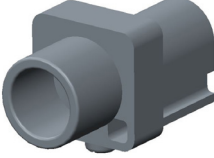
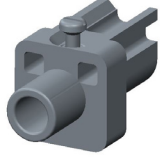
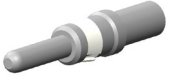
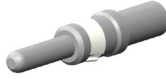
Operating temperature	-50°C to 125°C
Humidity	90% to 95% (40±2°C)
Protection degree	Leakage proof IP68, IP69K
Salt spray	96h

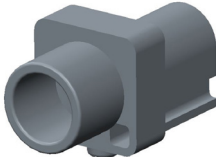
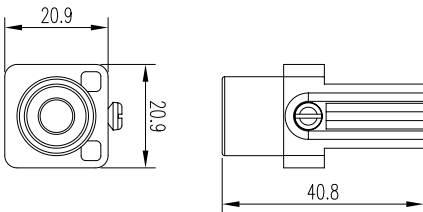
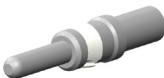
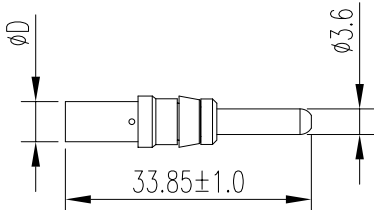
MATERIAL

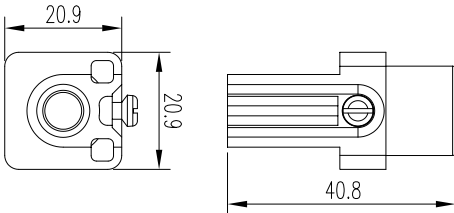
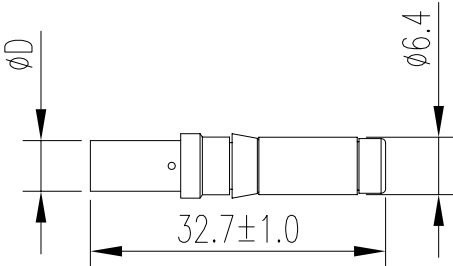
Shell	Zinc alloy, Epoxy powder painting
Insert	Thermoplastic UL94-V0, EN45545
Contact	3.6 & 4mm contacts Copper alloy, silver plating, crimp type
Sealing ring	Rubber

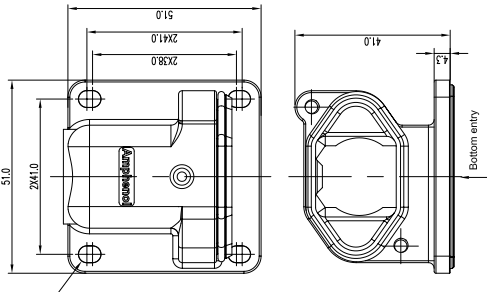
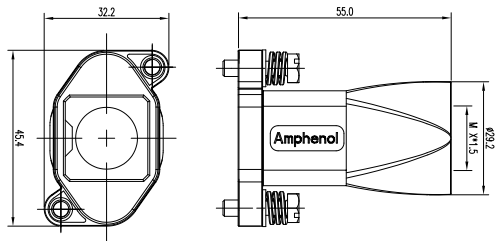
60A 1-PIN

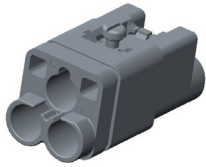
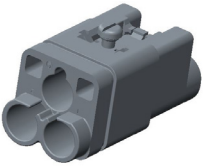
Description	M	P/N	Dimensions
Housing 	M25x1.5 M20x1.5 M16x1.5	ASRC68F0030044U ASRC68F0030045U ASRC68F0030046U	
Housing 	M25x1.5 M20x1.5 M16x1.5	ASRC68R0036014U ASRC68R0036114U ASRC68R0036214U	

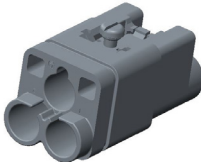
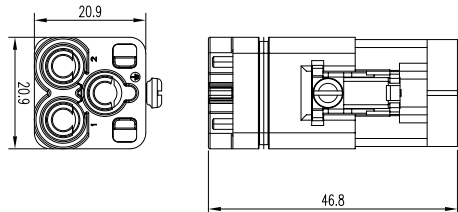
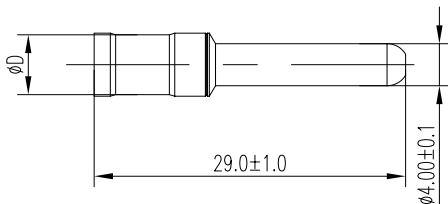
Combination 1		Combination 2	
			
Male insert 	Female insert 	Male insert 	Female insert 
Male contact 	Female contact 	Male contact 	Female contact 

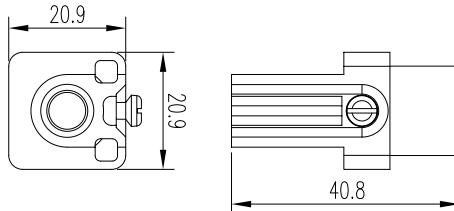
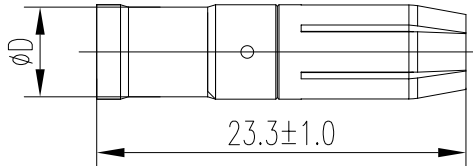
Description			P/N	Dimensions			
Male insert 			P03CP00109				
Wire gauge			P/N	Dimensions			
ØD	mm ²	AWG	Male contacts	 			
Ø3.0	1.5	16	P03CM0052501				
Ø3.5	2.5	14	P03CM0052502				
Ø4.1	4	12	P03CM0052503				
Ø5.0	6	10	P03CM0052504				
Ø5.65	10	8	P03CM0052505				
	Extraction tool				Crimping tool		Crimping tool
	3.6mm Extraction tool AS-GTC-R8				APHWA23KIT		TB 0700 146

Description			P/N	Dimensions			
Female insert 			P03CP00108				
Wire gauge			P/N	Dimensions			
ØD	mm ²	AWG	Female contacts	 			
Ø3.0	1.5	16	P03CM0052601				
Ø3.5	2.5	14	P03CM0052602				
Ø4.1	4	12	P03CM0052603				
Ø5.0	6	10	P03CM0052604				
Ø5.65	10	8	P03CM0052605				
	Extraction tool 3.6mm Extraction tool AS-GTC-R8				Crimping tool APHWA23KIT		Crimping tool TB 0700 146

Description	M	P/N	Dimensions
Housing 	M25x1.5 M20x1.5 M16x1.5	ASRC68F0030044U ASRC68F0030045U ASRC68F0030046U	
Housing 	M25x1.5 M20x1.5 M16x1.5	ASRC68R0036014U ASRC68R0036114U ASRC68R0036214U	

Combination 1		Combination 2	
			
Male insert 	Female insert 	Male insert 	Female insert 
Male contact 	Female contact 	Male contact 	Female contact 

Description			P/N	Dimensions	
Male insert 			P03CP00109		
Wire gauge			P/N	Dimensions	
ØD	mm ²	AWG	Male contacts	 	
Ø3.0	1.5	16	VN0104000101C		
Ø3.5	2.5	14	VN0104000111C		
Ø4.1	4	12	VN0104000121C		
Ø5.0	6	10	VN0104000131C		
Ø5.65	10	8	VN0104000151C		
 Extraction tool 4mm Extraction tool FG 0300 146 5000U			 Crimping tool APHWA23KIT	 Crimping tool TB 0700 146	

Description			P/N	Dimensions	
Female insert 			P03CP00108		
Wire gauge			P/N	Dimensions	
ØD	mm ²	AWG	Female contacts	 	
Ø3.0	1.5	16	VN0204000101C		
Ø3.5	2.5	14	VN0204000111C		
Ø4.1	4	12	VN0204000121C		
Ø5.0	6	10	VN0204000131C		
Ø5.65	10	8	VN0204000151C		
 Extraction tool 4mm Extraction tool FG 0300 146 5000U			 Crimping tool APHWA23KIT	 Crimping tool TB 0700 146	



Leakage proof,
EN 45545 certified,
High-resistance to vibrations & shocks

STANDARDS - LEAKAGE PROOF, SAFETY, ROBUSTNESS

IP68, IP69K
EN 45545, EN 61984
IEC 61373 - 2010 (GB/T 21563-2018)
IEC 60529 - 2001 (GB 4208-2008)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	In accordance with IEC 61373 - 2010 (GB/T 21563-2018)
Contact retention force	14mm: 200N

ELECTRICAL

Rated current	400A Max.
Rated voltage	4,000V AC
Dielectric withstand voltage	10,000V (1min)
Contact resistance	Less than 0.15mΩ
Insulator resistance	5,000MΩ Min.
Temperature rise	≤ 60K

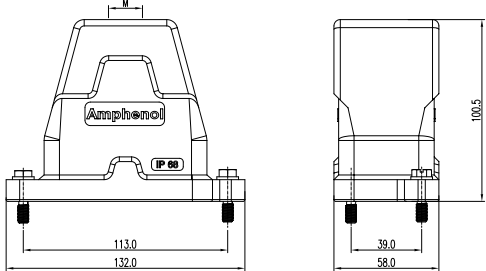
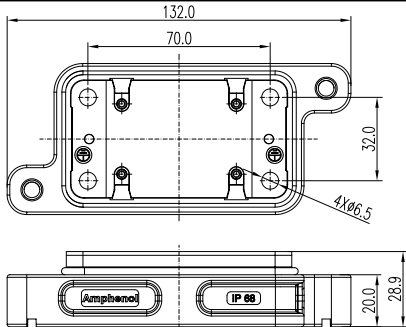
ENVIRONMENTAL

Operating temperature	-50°C to 125°C
Humidity	90% to 95% (40±2°C)
Protection degree	Leakage proof IP68, IP69K
Salt spray	500h

MATERIAL

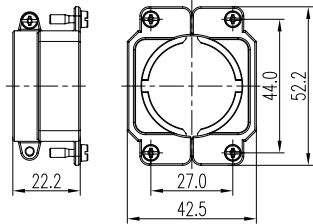
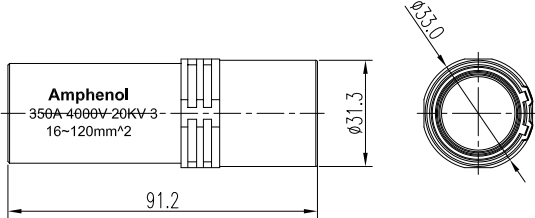
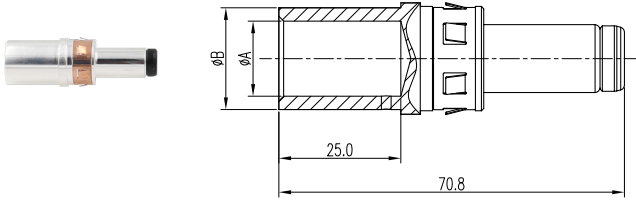
Shell	Aluminum alloy, Epoxy powder painting
Frame	Zinc alloy, nickel plating
Insert	Thermoplastic UL94-V0, EN45545
Contact	14mm Radsok contacts Copper alloy, silver plating, crimp type
Sealing ring	Rubber

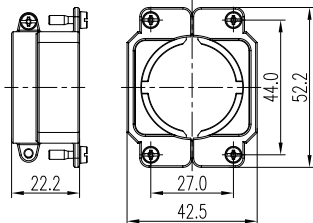
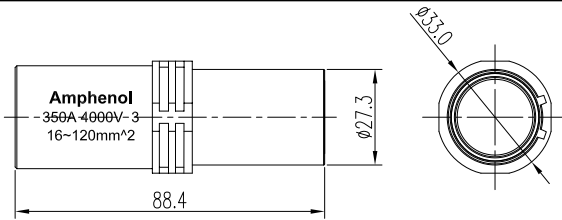
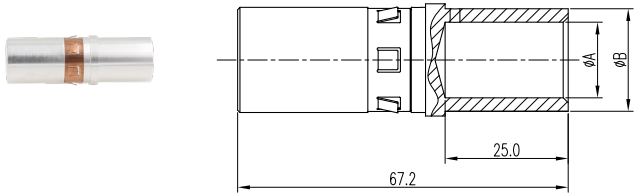
400A 1-PIN

Description	M	P/N	Dimensions
Housing 	1 x M20 1 x M25 1 x M32 1 x M40	C14668R0066518U C14668R0066508U C14668R0066008U C14668R0066018U	
Housing 		C14668F0060011U	

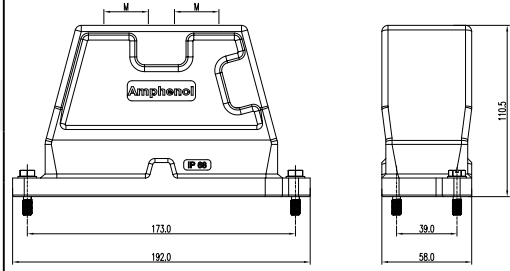
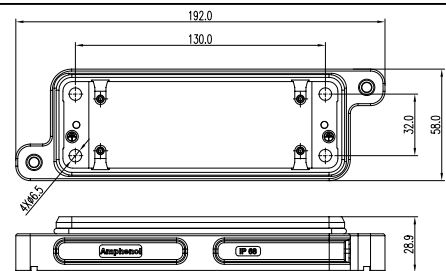
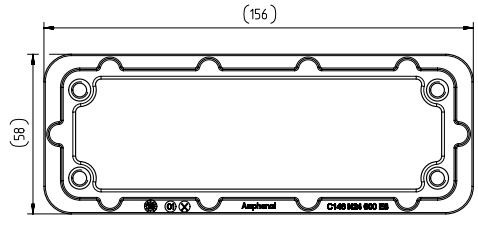
Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

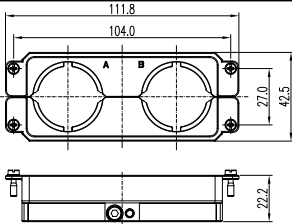
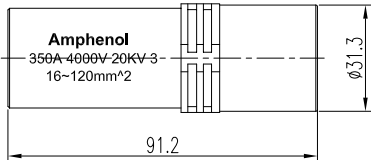
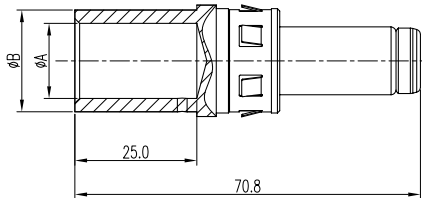
Description	P/N	Dimensions
(Male) Frame 	C420002327P	
Male insert 	C422002141	M 
Wire gauge	P/N	Dimensions
(mm ²) ØA ØB Male contacts		M
16 Ø5.5 Ø8.5 C42000234706		
25 Ø7.0 Ø10.0 C42000234707		
35 Ø9.0 Ø12.5 C42000234701		
50 Ø10.0 Ø14.5 C42000234702		
70 Ø11.5 Ø16.5 C42000234703		
95 Ø13.5 Ø19.0 C42000234704		
120 Ø15.5 Ø21.0 C42000234705		
 Extraction tool #R14 Extraction tool ASRC-350-R14	 Crimping tool NBC-71 3L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

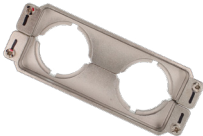
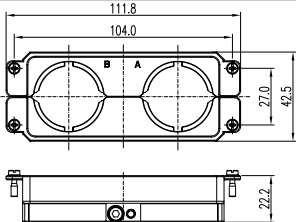
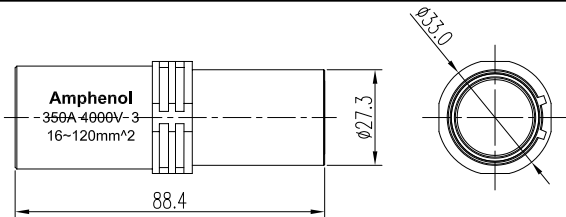
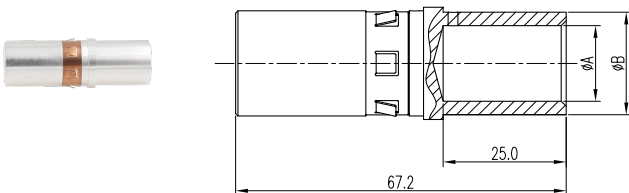
Description	P/N	Dimensions
(Female) Frame 	C420002327S	
Female insert 	C422002142	F 
Wire gauge	P/N	Dimensions
(mm ²) ØA ØB Female contacts		F
16 Ø5.5 Ø8.5 C42000234606		
25 Ø7.0 Ø10.0 C42000234607		
35 Ø9.0 Ø12.5 C42000234601		
50 Ø10.0 Ø14.5 C42000234602		
70 Ø11.5 Ø16.5 C42000234603		
95 Ø13.5 Ø19.0 C42000234604		
120 Ø15.5 Ø21.0 C42000234605		
 Extraction tool #R14 Extraction tool ASRC-350-R14	 Crimping tool NBC-71 3L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

400A 2-PIN

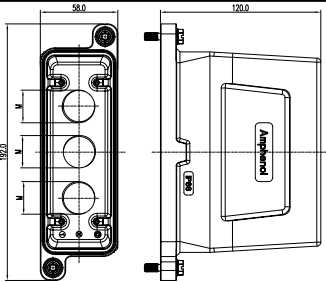
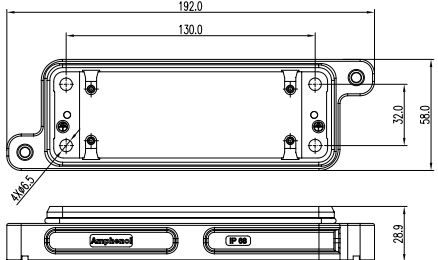
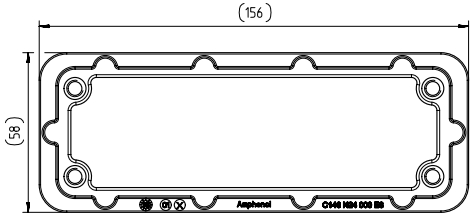
Description	M	P/N	Dimensions
	2 x M25 2 x M32	C14668R0249038U C14668R0249008U	
		C14668F0240011U	
	E24	C146 N24 00078	

Combination 1		Combination 2	
			
N/A			N/A
(Male) Frame 	(Female) Frame 	(Male) Frame 	(Female) Frame 
Male insert 	Female insert 	Male insert 	Female insert 
Male contact 	Female contact 	Male contact 	Female contact 

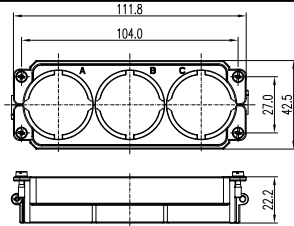
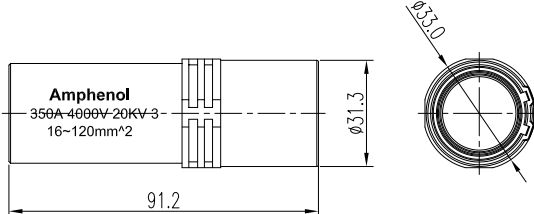
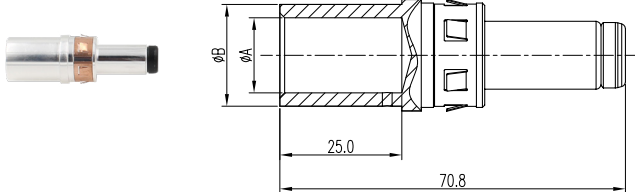
Description			P/N	Dimensions	
(Male) Frame 			C420002322P		
Male insert 			C422002141	M	Amphenol 350A-4000V-20KV-3 16~120mm²2 
Wire gauge			P/N	Dimensions	
(mm²)	ØA	ØB	Male contacts	M	
16	Ø5.5	Ø8.5	C42000234706	 	
25	Ø7.0	Ø10.0	C42000234707		
35	Ø9.0	Ø12.5	C42000234701		
50	Ø10.0	Ø14.5	C42000234702		
70	Ø11.5	Ø16.5	C42000234703		
95	Ø13.5	Ø19.0	C42000234704		
120	Ø15.5	Ø21.0	C42000234705		
	Extraction tool			Crimping tool	
#R14 Extraction tool ASRC-350-R14			NBC-713L		
			NBC713L-XX-Din (XX: cable size)		

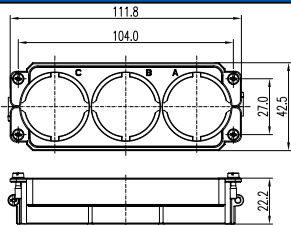
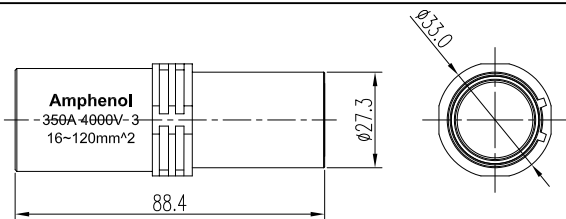
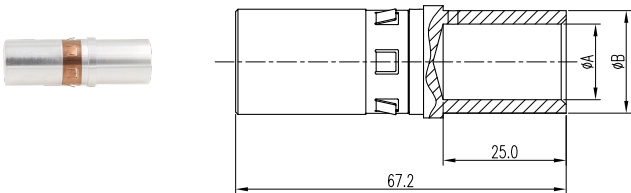
Description			P/N	Dimensions	
(Female) Frame 			C420002322S		
Female insert 			C422002142	F	
Wire gauge			P/N	Dimensions	
(mm²)	ØA	ØB	Female contacts	F 	
16	Ø5.5	Ø8.5	C42000234606		
25	Ø7.0	Ø10.0	C42000234607		
35	Ø9.0	Ø12.5	C42000234601		
50	Ø10.0	Ø14.5	C42000234602		
70	Ø11.5	Ø16.5	C42000234603		
95	Ø13.5	Ø19.0	C42000234604		
120	Ø15.5	Ø21.0	C42000234605		
	Extraction tool			Crimping tool	
#R14 Extraction tool ASRC-350-R14			NBC-713L		
			NBC713L-XX-Din (XX: cable size)		

400A 3-PIN

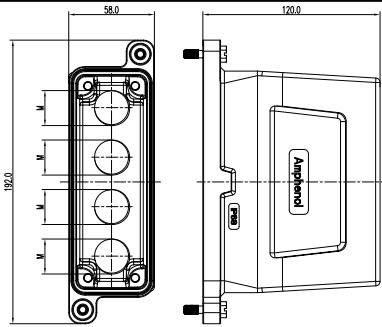
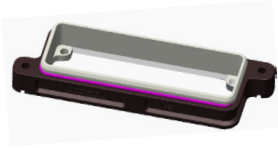
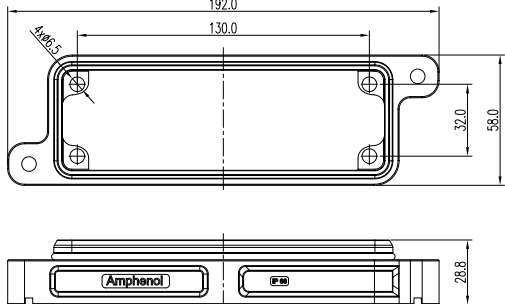
Description	M	P/N	Dimensions
	3 x M25 3 x M32	C14668R0249518U C14668R0249508U	
		C14668F0240011U	
	E24	C146 N24 00078	

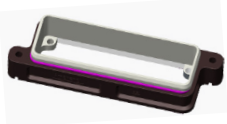
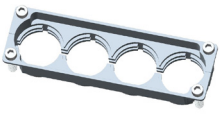
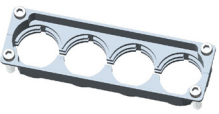
Combination 1		Combination 2	
			
N/A			N/A
(Male) Frame 	(Female) Frame 	(Male) Frame 	(Female) Frame 
Male insert 	Female insert 	Male insert 	Female insert 
Male contact 	Female contact 	Male contact 	Female contact 

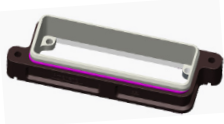
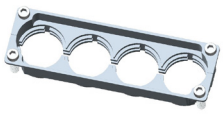
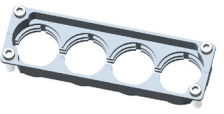
Description			P/N	Dimensions		
(Male) Frame 			C420002348P			
Male insert 			C422002141	M	Amphenol 350A-4000V-20KV-3 16~120mm² 	
Wire gauge			P/N	Dimensions		
(mm ²)	ØA	ØB	Male contacts	M 		
16	Ø5.5	Ø8.5	C42000234706			
25	Ø7.0	Ø10.0	C42000234707			
35	Ø9.0	Ø12.5	C42000234701			
50	Ø10.0	Ø14.5	C42000234702			
70	Ø11.5	Ø16.5	C42000234703			
95	Ø13.5	Ø19.0	C42000234704			
120	Ø15.5	Ø21.0	C42000234705			
	Extraction tool			Crimping tool		
#R14 Extraction tool ASRC-350-R14			NBC-713L			Die model (Details in page 32)
			NBC713L-XX-Din (XX: cable size)			

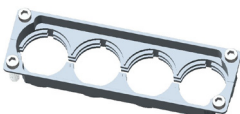
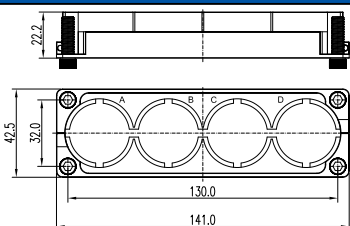
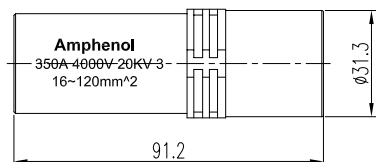
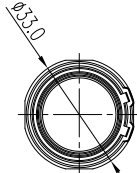
Description			P/N	Dimensions		
(Female) Frame 			C420002348S			
Female insert 			C422002142	F 		
Wire gauge			P/N	Dimensions		
(mm²)	ØA	ØB	Female contacts	F 		
16	Ø5.5	Ø8.5	C42000234606			
25	Ø7.0	Ø10.0	C42000234607			
35	Ø9.0	Ø12.5	C42000234601			
50	Ø10.0	Ø14.5	C42000234602			
70	Ø11.5	Ø16.5	C42000234603			
95	Ø13.5	Ø19.0	C42000234604			
120	Ø15.5	Ø21.0	C42000234605			
	Extraction tool			Crimping tool		Die model (Details in page 32)
#R14 Extraction tool ASRC-350-R14			NBC-713L		NBC713L-XX-Din (XX: cable size)	

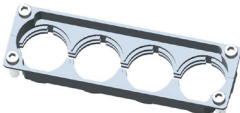
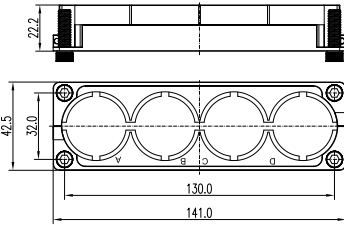
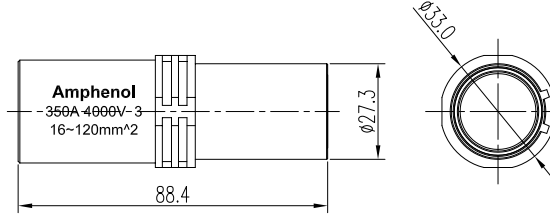
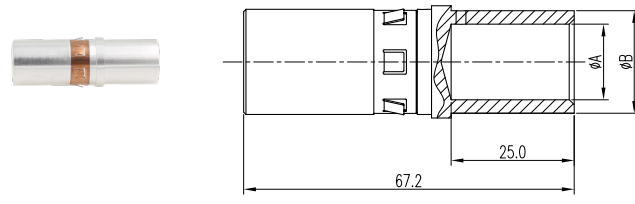
400A 4-PIN

Description	M	P/N	Dimensions
	4 x M20 4 x M25	ASRC68R0249628U ASRC68R0249608U	
		ASRC68F0241110U	

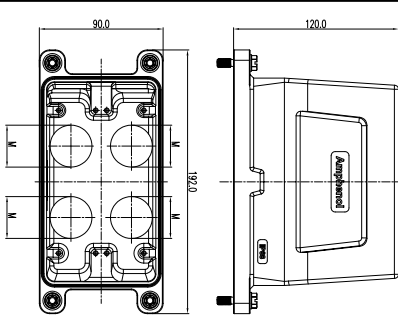
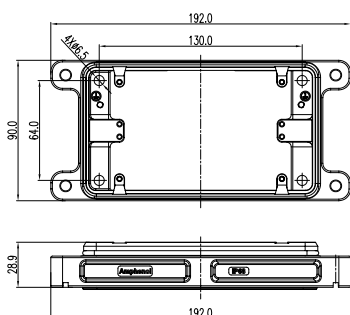
Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact
	

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact
	

Description			P/N	Dimensions	
(Male) Frame 			P03CM00020P		
Male insert 			C422002141	M Amphenol 350A-4000V-20KV-3 16~120mm²  Ø33.0 	
Wire gauge			P/N	Dimensions	
(mm²)	ØA	ØB	Male contacts	M	
16	Ø5.5	Ø8.5	C42000234706	 ØB ØA </	

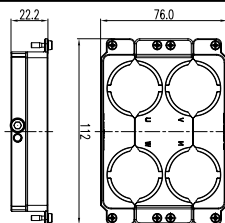
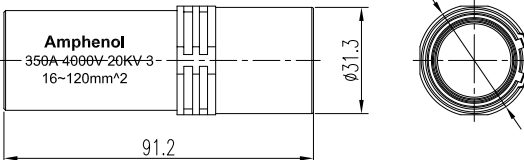
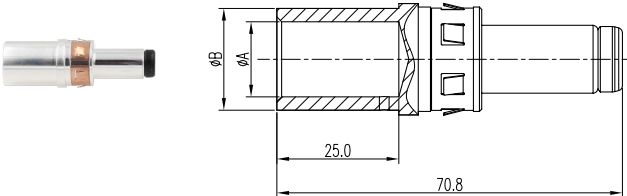
Description			P/N	Dimensions	
(Female) Frame 			P03CM00020S		
Female insert 			C422002142	F 	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Female contacts	F 	
16	Ø5.5	Ø8.5	C42000234606		
25	Ø7.0	Ø10.0	C42000234607		
35	Ø9.0	Ø12.5	C42000234601		
50	Ø10.0	Ø14.5	C42000234602		
70	Ø11.5	Ø16.5	C42000234603		
95	Ø13.5	Ø19.0	C42000234604		
120	Ø15.5	Ø21.0	C42000234605		
	Extraction tool			Crimping tool	
#R14 Extraction tool ASRC-350-R14			NBC-713L		Die model (Details in page 32)
			NBC713L-XX-Din (XX: cable size)		

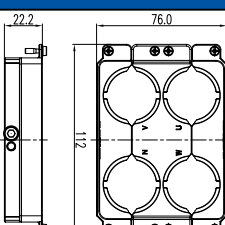
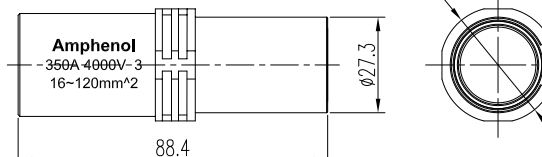
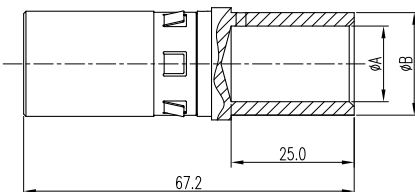
400A 4-PIN

Description	M	P/N	Dimensions
	4 x M25 4 x M32	ASRC68R0489099U ASRC68R0489098U	
		ASRC68F0480011U	

Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact
	

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact
	

Description			P/N	Dimensions	
(Male) Frame 			P03CM000706P		
Male insert 			C422002141	M 	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Male contacts	M 	
16	Ø5.5	Ø8.5	C42000234706		
25	Ø7.0	Ø10.0	C42000234707		
35	Ø9.0	Ø12.5	C42000234701		
50	Ø10.0	Ø14.5	C42000234702		
70	Ø11.5	Ø16.5	C42000234703		
95	Ø13.5	Ø19.0	C42000234704		
120	Ø15.5	Ø21.0	C42000234705		
	Extraction tool			Crimping tool	
#R14 Extraction tool ASRC-350-R14			NBC-713L		Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

Description			P/N	Dimensions	
(Female) Frame 			P03CM000706S		
Female insert 			C422002142	F 	
Wire gauge			P/N	Dimensions	
(mm²)	ØA	ØB	Female contacts	F 	
16	Ø5.5	Ø8.5	C42000234606		
25	Ø7.0	Ø10.0	C42000234607		
35	Ø9.0	Ø12.5	C42000234601		
50	Ø10.0	Ø14.5	C42000234602		
70	Ø11.5	Ø16.5	C42000234603		
95	Ø13.5	Ø19.0	C42000234604		
120	Ø15.5	Ø21.0	C42000234605		
	Extraction tool			Crimping tool	
#R14 Extraction tool ASRC-350-R14			NBC-713L		Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)



Leakage proof,
EN 45545 certified,
High-resistance to vibrations & shocks

STANDARDS - LEAKAGE PROOF, SAFETY, ROBUSTNESS

IP68, IP69K
 EN 45545, EN 61984
 IEC 61373 - 2010 (GB/T 21563-2018)
 IEC 60529 - 2001 (GB 4208-2008)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	In accordance with IEC 61373 - 2010 (GB/T 21563-2018)
Contact retention force	18mm: 200N

ELECTRICAL

Rated current	700A Max.
Rated voltage	4,000V AC
Dielectric withstand voltage	10,000V (1min)
Contact resistance	Less than 0.15mΩ
Insulator resistance	5,000MΩ Min.
Temperature rise	≤ 60K

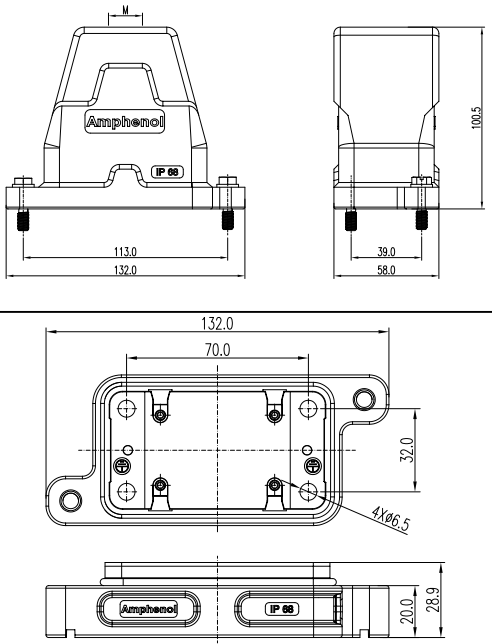
ENVIRONMENTAL

Operating temperature	-50°C to 125°C
Humidity	90% to 95% (40±2°C)
Protection degree	Leakage proof IP68, IP69K
Salt spray	500h

MATERIAL

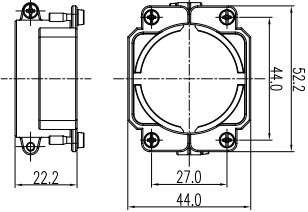
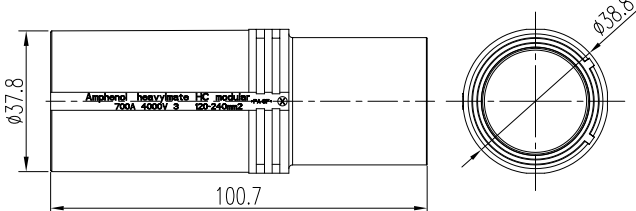
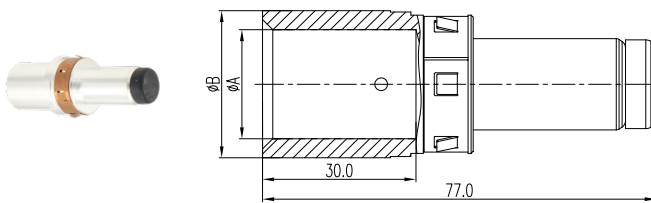
Shell	Aluminum alloy, Epoxy powder painting
Frame	Zinc alloy, nickel plating
Insert	Thermoplastic UL94-V0, EN45545
Contact	18mm Radsok contacts Copper alloy, silver plating, crimp type
Sealing ring	Rubber

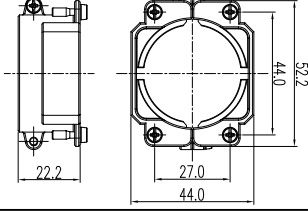
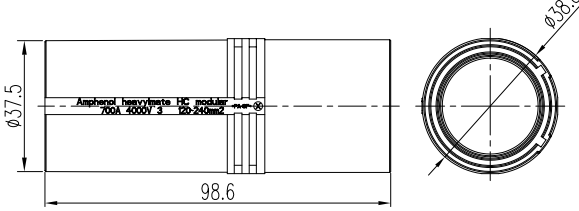
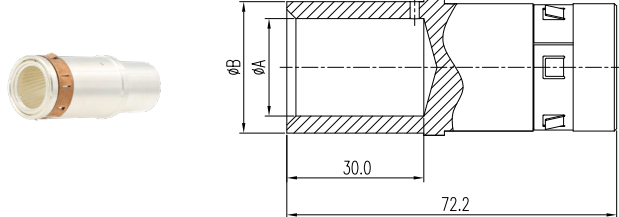
700A 1-PIN

Description	M	P/N	Dimensions
Housing 	1 x M25 1 x M32 1 x M40	C14668R0066508 C14668R0066008 C14668R0066018	
Housing 		C14668F0060011U	

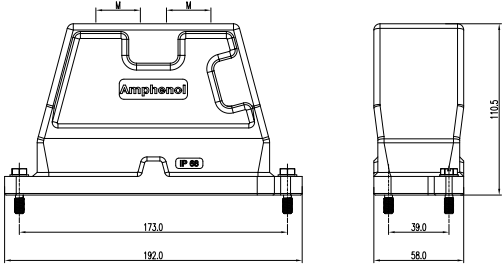
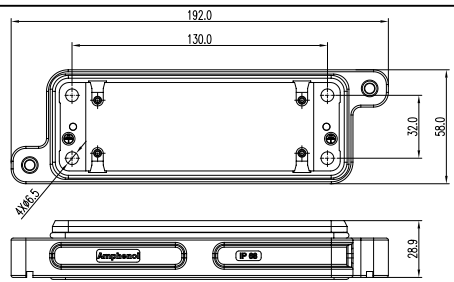
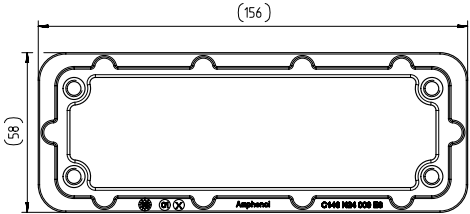
Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

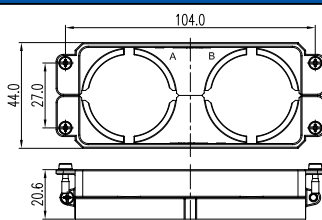
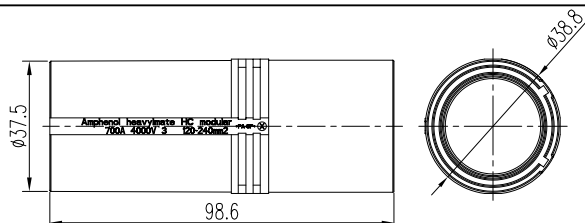
Description		P/N	Dimensions	
(Male) Frame 		C420002336		
Male insert 		C422002137		
Wire gauge		P/N	Dimensions	
(mm ²)	ØA	ØB	Male contacts	
120	Ø15.5	Ø21.0		
150	Ø17.0	Ø23.5		
185	Ø19.0	Ø25.5		
240	Ø21.5	Ø29.0		
 Extraction tool #R16, 18 Extraction tool ASRC-650-R18		 Crimping tool NBC-713L		 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

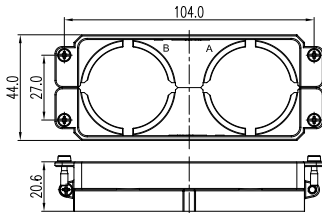
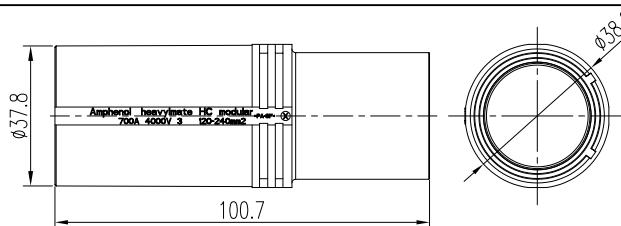
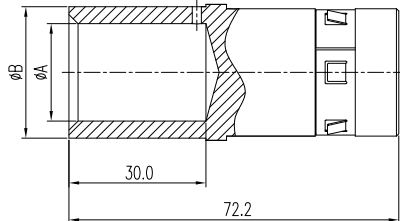
Description		P/N	Dimensions	
(Female) Frame 		C420002336		
Female insert 		C422002136		
Wire gauge		P/N	Dimensions	
(mm ²)	ØA	ØB	Female contacts	
120	Ø15.5	Ø21.0		
150	Ø17.0	Ø23.5		
185	Ø19.0	Ø25.5		
240	Ø21.5	Ø29.0		
 Extraction tool #R16, 18 Extraction tool ASRC-650-R18		 Crimping tool NBC-713L		 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

700A 2-PIN

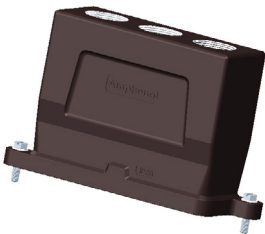
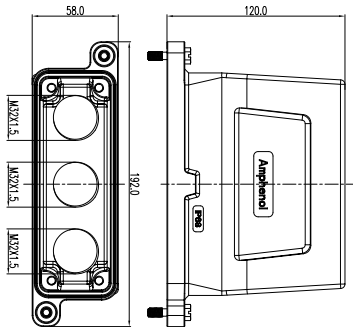
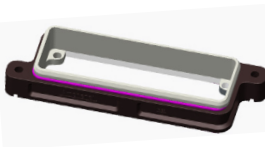
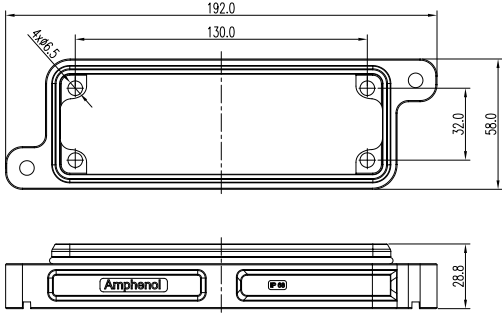
Description	M	P/N	Dimensions
	2 x M32 2 x M40	C14668R0249008U C14668R0249018U	
		C14668F0240011U	
	E24	C146 N24 00078	

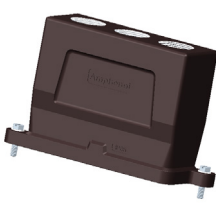
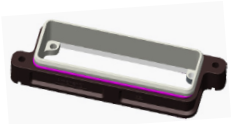
Combination 1		Combination 2	
			
N/A			N/A
(Male) Frame 	(Female) Frame 	(Male) Frame 	(Female) Frame 
Male insert 	Female insert 	Male insert 	Female insert 
Male contact 	Female contact 	Male contact 	Female contact 

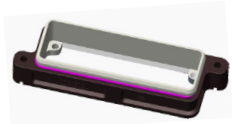
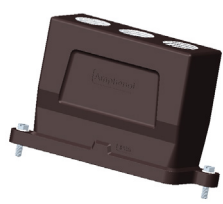
Description		P/N	Dimensions
(Male) Frame 		C420002335P	
Male insert 		C422002137	
Wire gauge		P/N	Dimensions
(mm ²)	ØA	ØB	Male contacts
120	Ø15.5	Ø21.0	C20000233304
150	Ø17.0	Ø23.5	C20000233303
185	Ø19.0	Ø25.5	C20000233302
240	Ø21.5	Ø29.0	C20000233301
 Extraction tool #R16, 18 Extraction tool ASRC-650-R18		 Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

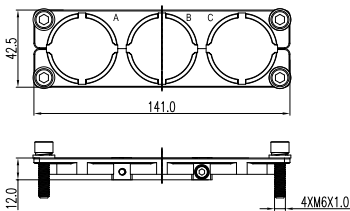
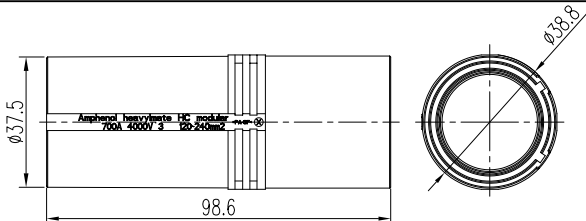
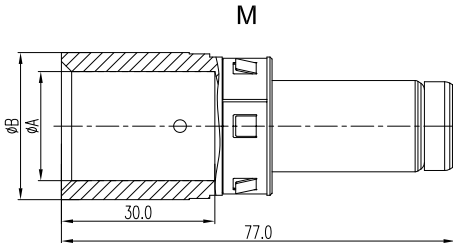
Description			P/N	Dimensions		
(Female) Frame 			C420002335S			
Female insert 			C422002136			
Wire gauge			P/N	Dimensions		
(mm ²)	ØA	ØB	Female contacts	F		
120	Ø15.5	Ø21.0	C20000233404	 		
150	Ø17.0	Ø23.5	C20000233403			
185	Ø19.0	Ø25.5	C20000233402			
240	Ø21.5	Ø29.0	C20000233401			
	Extraction tool			Crimping tool		Die model (Details in page 32)
#R16, 18 Extraction tool ASRC-650-R18			NBC-713L		NBC713L-XX-Din (XX: cable size)	

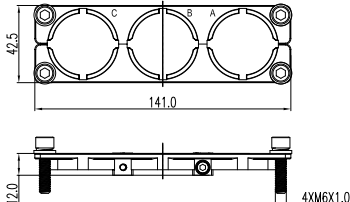
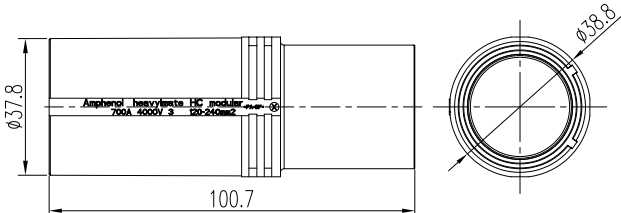
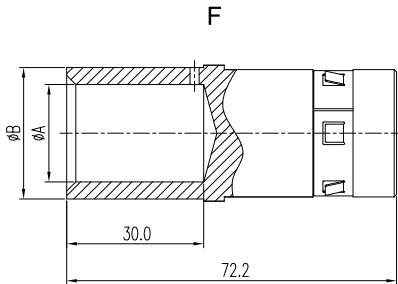
700A 3-PIN

Description	M	P/N	Dimensions
Housing 	3 x M32	ASRC68R0249538U	
Housing 		ASRC68F0241110U	

Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

Description			P/N	Dimensions	
(Male) Frame 			P03CM00046P		
Male insert 				C422002137	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Male contacts	 	
120	Ø15.5	Ø21.0	C20000233304		
150	Ø17.0	Ø23.5	C20000233303		
185	Ø19.0	Ø25.5	C20000233302		
240	Ø21.5	Ø29.0	C20000233301		
 Extraction tool #R16, 18 Extraction tool ASRC-650-R18			 Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)	

Description			P/N	Dimensions	
(Female) Frame 			P03CM00046S		
Female insert 				C422002136	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Female contacts	 	
120	Ø15.5	Ø21.0	C20000233404		
150	Ø17.0	Ø23.5	C20000233403		
185	Ø19.0	Ø25.5	C20000233402		
240	Ø21.5	Ø29.0	C20000233401		
 Extraction tool #R16, 18 Extraction tool ASRC-650-R18			 Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)	

EMP ASRC 33/33RA 3-PIN



Leakage proof,
EN 45545 certified,
High-resistance to vibrations & shocks

STANDARDS - LEAKAGE PROOF, SAFETY, ROBUSTNESS

IP68, IP69K
 EN 45545, EN 61984
 IEC 61373 - 2010 (GB/T 21563-2018)
 IEC 60529 - 2001 (GB 4208-2008)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	In accordance with IEC 61373 - 2010 (GB/T 21563-2018)
Contact retention force	10mm: 200N

ELECTRICAL

Rated current	250A/400A Max.
Rated voltage	3,000V AC
Dielectric withstand voltage	8,000V (1min)
Contact resistance	Less than 0.3mΩ
Insulator resistance	5,000MΩ Min.
Temperature rise	≤ 60K

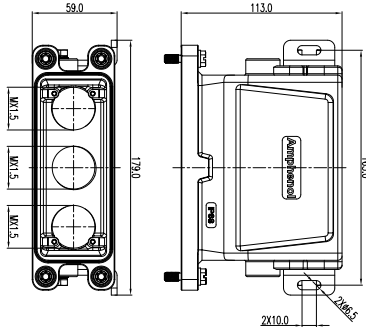
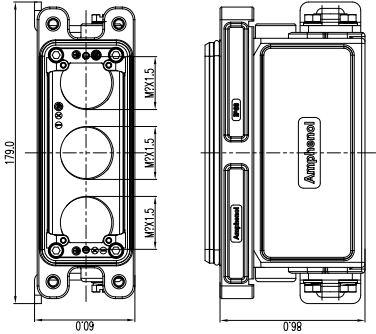
ENVIRONMENTAL

Operating temperature	-50°C to 125°C
Humidity	90% to 95% (40±2°C)
Protection degree	Leakage proof IP68, IP69K
Salt spray	500h

MATERIAL

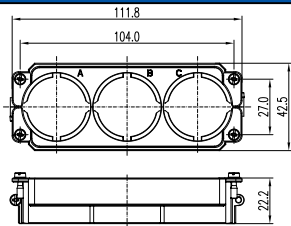
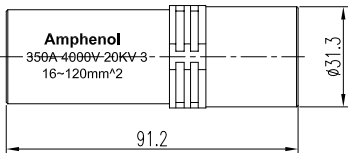
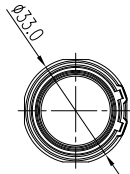
Shell	Aluminum alloy, Epoxy powder painting
Frame	Zinc alloy, nickel plating
Insert	Thermoplastic UL94-V0, EN45545
Contact	10mm Radsok contacts Copper alloy, silver plating, crimp type
Sealing ring	Rubber

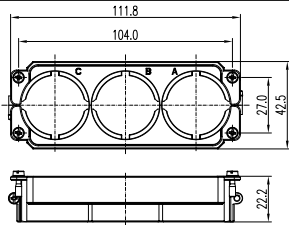
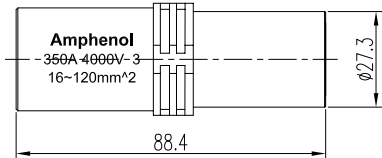
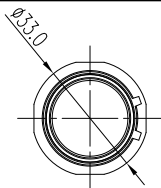
EMP ASRC 33 3-PIN

Description	M	P/N	Dimensions
	3 x M25 3 x M32	P03CM0070002 P03CM0070001	
	3 x M25 3 x M32	P03CM0070102 P03CM0070101	

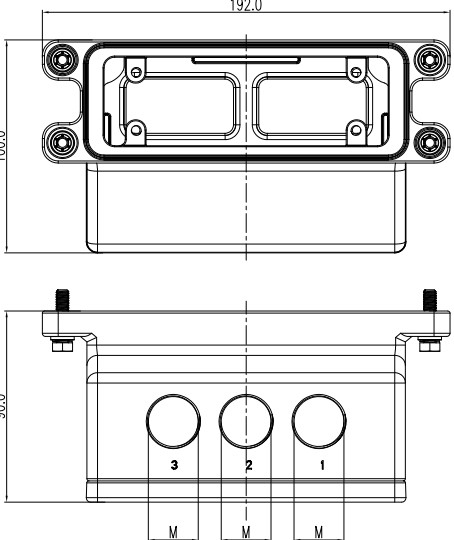
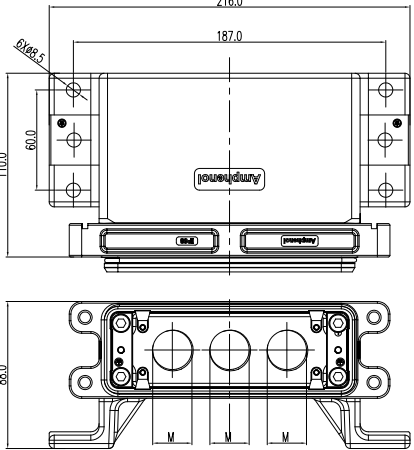
Combination 1	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

Combination 2	
	
(Male) Frame	(Female) Frame
	
Male insert	Female insert
	
Male contact	Female contact

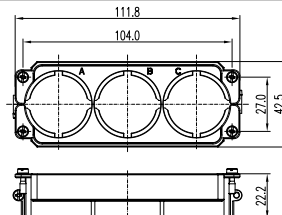
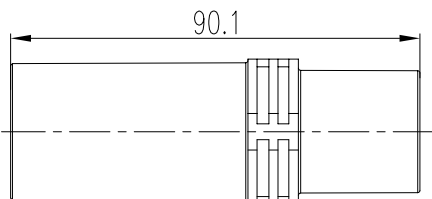
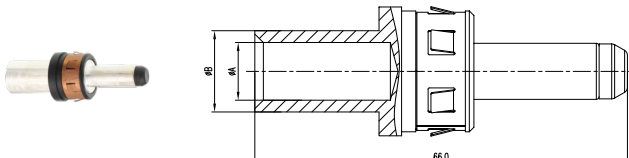
Description			P/N	Dimensions	
(Male) Frame 			C420002348P1		
Male insert 			C420002141	M	Amphenol 350A-4000V-20KV-3- 16-120mm²  
Wire gauge				Dimensions	
(mm²)	ØA	ØB	Male contacts		
35	Ø9.0	Ø12.5	P03CM0006701		
50	Ø10.3	Ø14.5	P03CM0006702		
70	Ø11.5	Ø16.5	P03CM0006703		
Extraction tool  #R14 Extraction tool ASRC-350-R14			 Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)	

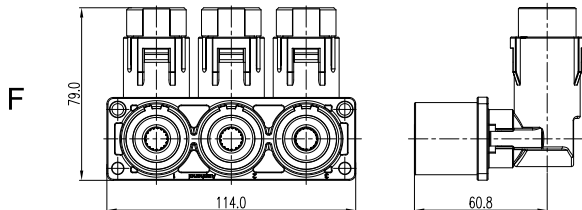
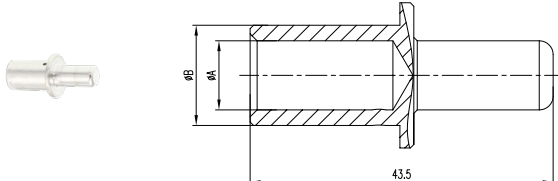
Description			P/N	Dimensions	
(Female) Frame 			C420002348S1		
Female insert 			C420002142	F  	
Wire gauge				Dimensions	
(mm²)	ØA	ØB	Female contacts		
35	Ø9.0	Ø12.5	P03CM0006601		
50	Ø10.3	Ø14.5	P03CM0006602		
70	Ø11.5	Ø16.5	P03CM0006603		
Extraction tool  #R14 Extraction tool ASRC-350-R14			 Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)	

EMP ASRC 33RA
3-PIN

Description	M	P/N	Dimensions
Housing 	3 x M25 3 x M32	P03CM0070201 P03CM0070202	
Housing 	3 x M25 3 x M32	P03CM0070301 P03CM0670302	

	(Male) Frame	Male insert	Male contact
	N/A	Female insert w/ female contacts	+ Male contact

Description			P/N	Dimensions	
(Male) Frame 			C420002348P2		
Male insert 			P01CP00030	M	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Male contacts for receptacle		
35	Ø9.0	Ø12.5	P03CM0009301		
50	Ø10.3	Ø14.5	P03CM0009302		
70	Ø11.5	Ø16.5	P03CM0009303		
			Extraction tool		
#R14 Extraction tool ASRC-350-R14					
					
			Crimping tool		
			NBC-713L		
					
			Die model (Details in page 32)		
					
			NBC713L-XX-Din (XX: cable size)		

Description			P/N	Dimensions		
Female insert				P03CP00028		
						Female contacts included
Wire gauge			P/N	Dimensions		
(mm ²)	ØA	ØB	Male contacts for plug			
35	Ø9.0	Ø12.5	P01CM0009001			
50	Ø10.3	Ø14.5	P01CM0009002			
70	Ø11.5	Ø16.5	P01CM0009003			
			Extraction tool			Die model (Details in page 32)
#R10 Extraction tool ASRCRR10P						

EMP ASRC 36 6-PIN



Leakage proof,
EN 45545 certified,
High-resistance to vibrations & shocks

STANDARDS - LEAKAGE PROOF, SAFETY, ROBUSTNESS

IP68, IP69K
 EN 45545, EN 61984
 IEC 61373 - 2010 (GB/T 21563-2018)
 IEC 60529 - 2001 (GB 4208-2008)

MECHANICAL

Durability	≥ 500 mating cycles
Vibration & shock	In accordance with IEC 61373 - 2010 (GB/T 21563-2018)
Contact retention force	10/14mm: 200N

ELECTRICAL

Rated current	250A/400A Max.
Rated voltage	4,000V AC
Dielectric withstand voltage	10,000V (1min)
Contact resistance	Less than 0.3mΩ/0.15mΩ
Insulator resistance	5,000MΩ Min.
Temperature rise	≤ 60K

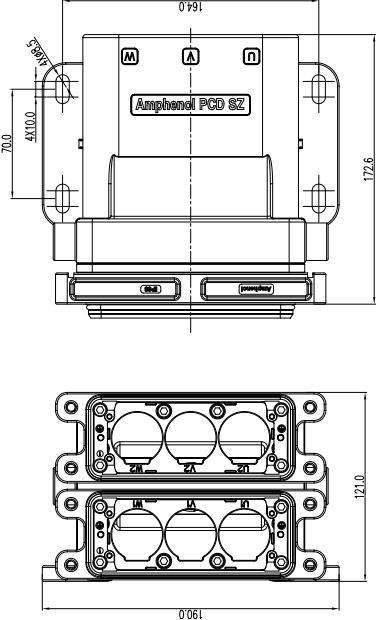
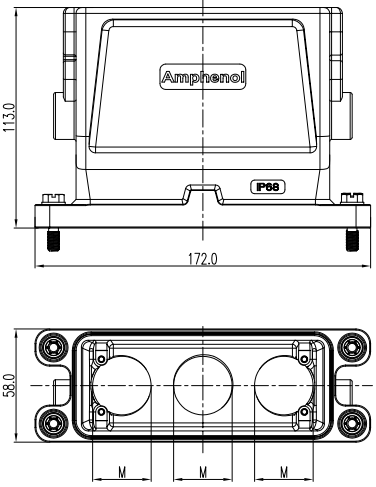
ENVIRONMENTAL

Operating temperature	-50°C to 125°C
Humidity	90% to 95% (40±2°C)
Protection degree	Leakage proof IP68, IP69K
Salt spray	500h

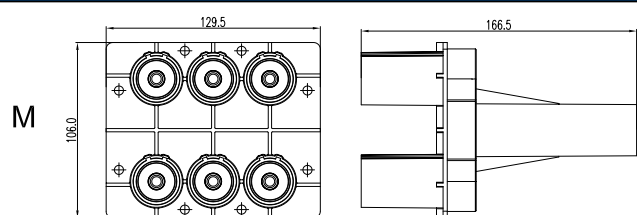
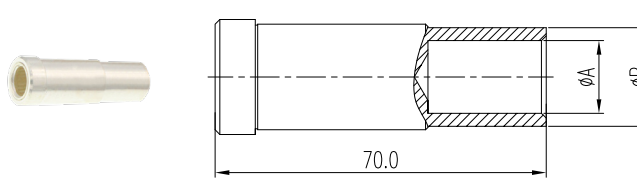
MATERIAL

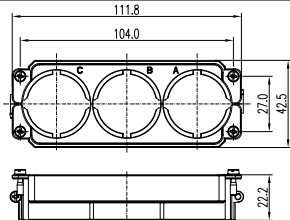
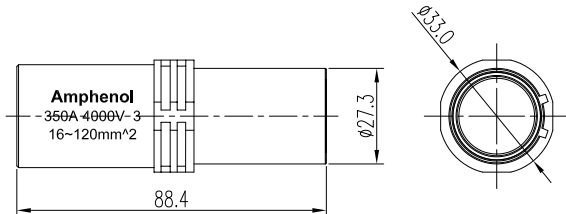
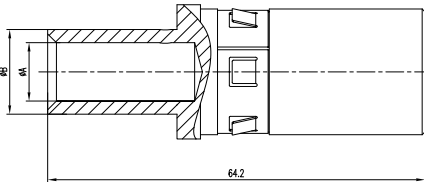
Shell	Aluminum alloy, Epoxy powder painting
Frame	Zinc alloy, nickel plating
Insert	Thermoplastic UL94-V0, EN45545
Contact	10/14mm Radsok contacts Copper alloy, silver plating, crimp type
Sealing ring	Rubber

EMP ASRC 36
6-PIN

Description	M	P/N	Dimensions
Housing 	3 x M32	P03CM0070401	
Housing 	3 x M32	P03CM0070501	

	(Female) Frame		Female insert		Female contact
	N/A		Male insert w/ male contacts		+ Female contact

Description			P/N	Dimensions	
Male insert 			P03CP00700 Male contacts included		
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Female contacts for plug		
35	Ø9.0	Ø12.5	P03DM0028801		
50	Ø10.3	Ø14.5	P03DM00288		
70	Ø11.5	Ø16.5	P03DM0028802		
	Extraction tool #R14 Extraction tool ASRCRR14			Crimping tool NBC-713L	 Die model (Details in page 32) NBC713L-XX-Din (XX: cable size)

Description			P/N	Dimensions	
(Female) Frame 			C420002348S1		
Female insert 			C422002142	F	
Wire gauge			P/N	Dimensions	
(mm ²)	ØA	ØB	Female contacts for receptacle	 	
35	Ø9.0	Ø12.5	P03CM0006601		
50	Ø10.3	Ø14.5	P03CM0006602		
70	Ø11.5	Ø16.5	P03CM0006603		
Extraction tool				Crimping tool	Die model (Details in page 32)
#R14 Extraction tool ASRC-350-R14				NBC-713L	NBC713L-XX-Din (XX: cable size)

Extraction tools	
#R10 Extraction tool ASRCRR10P	#R14 Extraction tool ASRCRR14
	
#R14 Extraction tool ASRC-350-R14	#R16, 18 Extraction tool ASRC-650-R18
	

Electric crimping tool	Die model	
NBC-713L	Cable size: 16 to 240mm ²	
	16mm ²	NBC713L-16-Din
	25mm ²	NBC713L-25-Din
	35mm ²	NBC713L-35-Din
	50mm ²	NBC713L-50-Din
	70mm ²	NBC713L-70-Din
	95mm ²	NBC713L-95-Din
	120mm ²	NBC713L-120-Din
	150mm ²	NBC713L-150-Din
	185mm ²	NBC713L-185-Din
	240mm ²	NBC713L-240-Din
		

Amphenol PCD Shenzhen

Building C
Dagang Industrial Zone
Guangming District
Shenzhen 518132
China

Tel.: +86 755-8173-8000
Fax: +86 755-8173-8180
Email: inquiry@amphenolpcd.com.cn

www.amphenolpcd.com.cn

Notes:

Amphenol PCD Shenzhen has made every effort to ensure that the information contained in this catalog is accurate at the time of publication. Specifications or information stated in this publication are subject to change without notice.

Amphenol PCD Shenzhen reserves the right to clarify this catalog.