



ZH23 series circular connector

Sichuan Huafeng Technology Co., Ltd.

四川华丰科技股份有限公司



Sichuan Huafeng Technology Co., Ltd.

Huafeng, founded in 1958, is a global provider of optoelectronic connectors and interconnection solutions. In 1958, the company introduced connector production technology of Russia standard to open the way of connector made in China. Electromechanical Components, a research journal of connector technology founded in 1981, began to be published nationwide. In 1984, we imported MIL standard connector production line and technology from USA. Since 1987, the company has participated in the formulation of Chinese national standards for connectors. In 2016, the company developed the first IEC standard for power connectors in China. From technology introduction to independent innovation, and then to providing interconnection technology services for the whole world, Huafeng is moving forward, steady and far.

We have built a forward R & D platform for connectors, focusing on the development of high-speed connectors and optical modules for backplane bus, PCB mezzanine bus and I/O bus. We have continuously researched and developed for more than 20 years, providing high-speed interconnection solutions with transmission rates of 1.25Gbps to 224Gbps, meeting the rapid development and application needs of communication equipment.

Huafeng has developed the "system interconnection" products for the overall interconnection solution of equipment, which can identify, process and integrate the high-speed, radio frequency, power, optical and other signals of the equipment information system, realize the fast connection between the equipment systems and the equipment in the system in the form of no cable, modularization, wireless, bus and intelligence, and solve the electromagnetic protection, miniaturization and rapid maintenance of the equipment maintenance and other issues.

The developed connectors, from low frequency to high frequency, from electric port to optical port, from standard type to special customization, can adapt to various special environments such as deep sea environment, high voltage environment, high vibration and impact environment, electromagnetic interference environment, high and low temperature environment, space and aerospace environment, and provide users with interconnection solutions one-stop service. Adhering to the "reliable" culture of "Reliable Connection Comes from Huafeng", the company has built an intelligent factory with the whole process of connector manufacturing and a perfect quality assurance system. It realizes automatic production, automatic detection and sorting from the whole process of connector contact manufacturing, insulator molding, shell processing, surface treatment, assembly and packaging, with controllable and traceable quality.

Striving for high reliability, safety and environmental protection of connectors, Huafeng is committed to providing more professional, reliable and intelligent interconnection technologies and products to global defense equipment, communication equipment, rail transit equipment and new energy vehicles.



ZH23 series electrical connector has characteristics such as environmental resistance, five key positioning to prevent insertion errors, and quick connection with a snap fit. The contact parts are crimped and then loosened before being removed.



Technical performance

- ⊙ working temperature : -60℃~+200℃
- ⊙ vibration: 1-5000Hz acceleration ≤40g
- ⊙ Impact: 500g once
- ⊙ contact resistance:

Ø1.0	Ø1.5	Ø2.0
≤7.4mΩ	≤2.5mΩ	≤1.6mΩ

- ⊙ Voltage withstand:

grade	working voltage	test voltage
A	700V	2100V
B	500V	1850V
C	400V	1600V

- ⊙ Contact current:

Ø1.0	Ø1.5	Ø2.0
11A	20A	35A

- ⊙ technical standard: ГГО.364.241TV
- ⊙ technical standard: Q/3E 20005-2003
- ⊙ Salt spray resistance: 96h
- ⊙ relative humidity: 30℃~60℃ 92%~98%
- ⊙ insulation resistance: ≥5000MΩ
- ⊙ Mechanical lifespan: 500 cycle

How to order ZH23 protective covers

Basic series	ZH23	-	27	Y	14
Type of protective cover					
27-Socket protection cover					
28-Plug protection cover					
Plating code					
Y-Anodizing of aluminum alloy					
N-Nickel plating on aluminum alloy					
J-Rainbow cadmium plating on aluminum alloy					
W-Aluminum alloy plated with military green cadmium					
Shell number					
14、18、22、24、27、30、33、36、39					

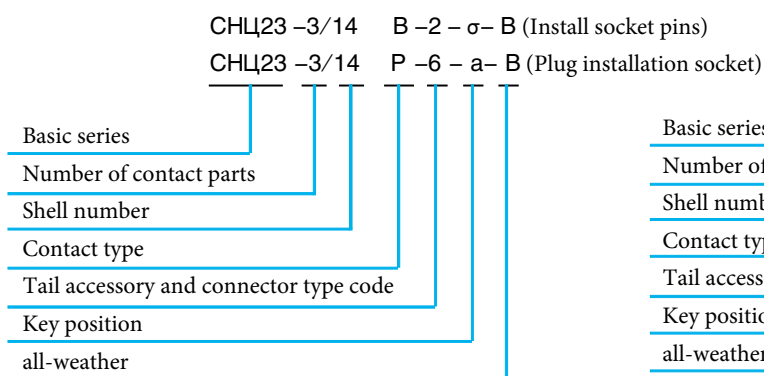
Order Code Description

No.	CCode Name	Russian code	Huafeng Code
1	Basic series	CHL23	ZH23
2	Number of contacts	3、4、7、10、19、24、28、32、 41、43、45、55、61	3、4、7、10、19、24、28、32、 41、43、45、55、61
3	Shell number(mm)	14、18、22、24、27、 30、33、36、39	14、18、22、24、27、 30、33、36、39
4	Contact type	B-Installing pins P-Installing sockets	B-Installing pins P-Installing sockets
5	Tail accessory and connector type code	1- Socket with simplified tail 2- Socket with straight clamp type tail 4- Socket with curved clamp type tail 6- Plug with straight clip type tail 8- Plug with curved clamp tail 11- Plug with simplified tail 12- Socket with 09 type thermoplastic sleeve tail attachment 13- Plug with 09 type thermoplastic sleeve tail attachment 15- Socket with 05 type shielded straight tail 16- Socket with 05 type shielded straight tail	17- Socket with 06 type shielded curved tail 18- Plug with 06 type shielded bent tail 19- Socket with 07 type shielded simplified tail 20- Plug with 07 type shielded simplified tail 21- Socket with 08 type shielded straight clamp wire tail attachment 22- Plug with 08 type shielded straight clamp wire tail attachment 25- Socket with 10 type shielded curved tail 26- Plug with 10 type shielded bent tail 27- Socket attached to the tail of type 11 shielded bent clamp wire 28- Plug attached to the tail of the 11 type shielded bent clamp wire
6	Key position	Unmarked - Standard Key Position a、σ、B、r	Unmarked - Standard Key Position a、b、c、d
7	气候条件-全天候	B	

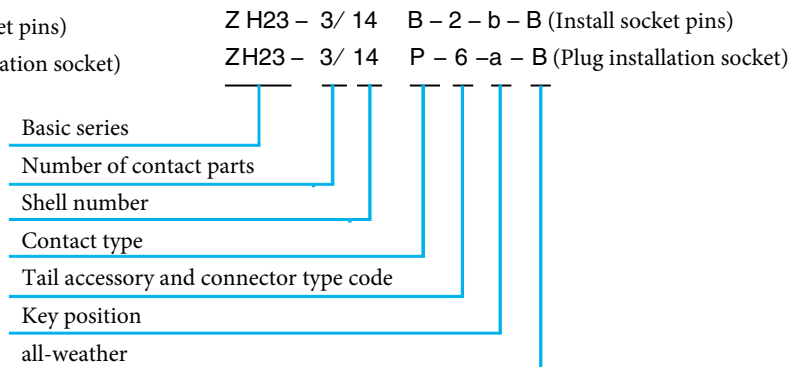
How to order:

for example

Russia:



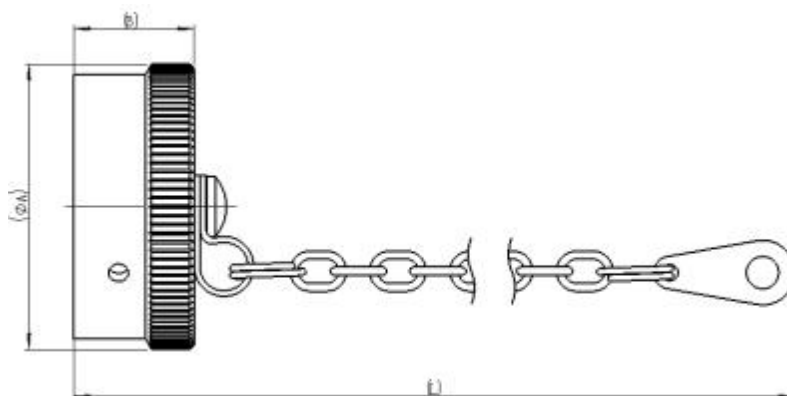
Huafeng:



How to order tail accessories

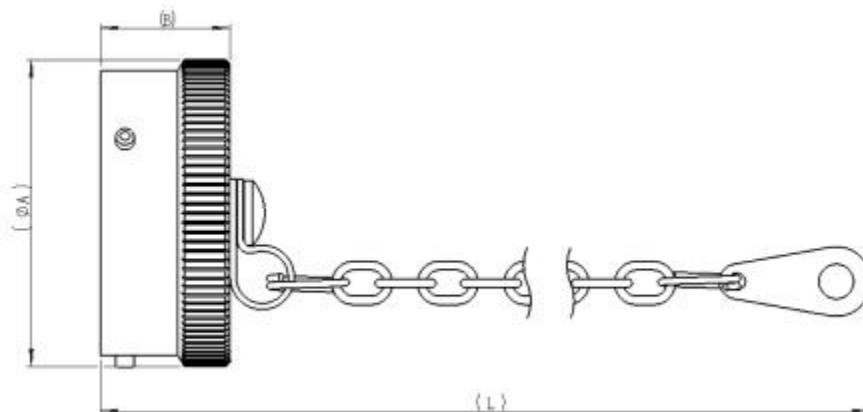
Basic series	ZH23	N	-05	-33
Surface Coating				
N-Shell nickel plating				
J- Shell cadmium plating				
Tail attachment type				
5-Shielded straight tail accessory (with memory ring)				
6-Shielded curved tail accessory (with memory ring)				
7-Shielded tail accessories (simplified)				
8-Shielded straight clamp wire tail accessory				
9-Thermoplastic tube type tail accessory				
10-Shielded curved tail accessory				
11-Shielded bent clamp wire tail accessory				
Shell size				
14、18、22、24、27、30、33、36、39				

☉ ZH23 Series socket protection cover



PN	Shell size	A	B	L
ZH23-27Y14	14	22.6	14.1	111
ZH23-27Y18	18	25.7	14.1	127
ZH23-27Y22	22	29.7	14.1	127
ZH23-27Y24	24	32.5	14.9	128
ZH23-27Y27	27	35.3	14.9	128
ZH23-27Y30	30	38.8	14.9	144
ZH23-27Y33	33	41.8	14.9	144
ZH23-27Y36	36	45	15.75	145
ZH23-27Y39	39	48.4	15.75	145

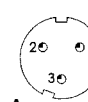
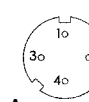
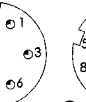
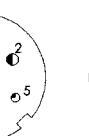
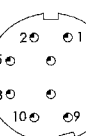
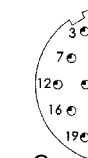
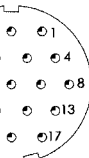
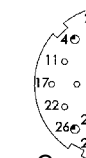
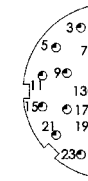
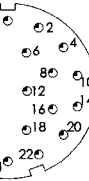
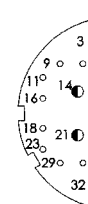
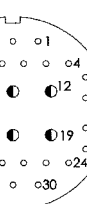
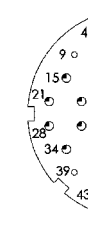
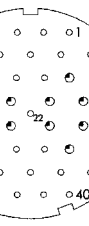
◎ ZH23 Series plug protection cover



PN	Shell size	A	B	L
ZH23-27Y14	14	22.6	14.1	111
ZH23-27Y18	18	25.7	14.1	127
ZH23-27Y22	22	29.7	14.1	127
ZH23-27Y24	24	32.5	14.9	128
ZH23-27Y27	27	35.3	14.9	128
ZH23-27Y30	30	38.8	14.9	144
ZH23-27Y33	33	41.8	14.9	144
ZH23-27Y36	36	45	15.75	145
ZH23-27Y39	39	48.4	15.75	145

Insulator arrangement(Pin direction view)

(Please refer to the distribution of insulation key positions and contact parts in ZH28 for details)

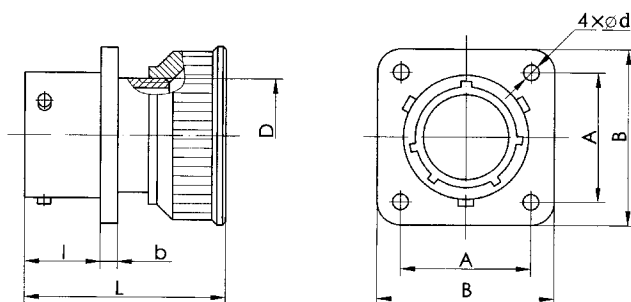
3/14		4/14		7/18		10/18		Contact diameter		sign		
14 #									1.0mm			
									1.5mm			
									2.0mm			
7/22		10/22		19/22		19/24						
22 #							24 #					
	A		B		C			C				
19/27		28/27		32/27								
27 #												
	C		C		C							
24/30		41/30		32/33		55/33						
30 #					33 #							
	B		C			B		C				
43/36		61/36		45/39								
36 #					39 #							
	C		C			C						

Key position angle

PN	a、 (a)	σ、 (b)	B、 (c)	Γ (d)	Unmarked	PN	a、 (a)	σ、 (b)	B、 (c)	Γ (d)	无标志
3/14	160				0	28/27	45	150	195		0
4/14		135			0	32/27	45	135		270	0
7/18	90				0	24/30	90	135	200		0
10/18		70			0	41/30	45	90			0
7/22	80	170	225		0	32/33	90	120			0
10/22		100	195		0	55/33	75	90		165	0
19/22	30		225		0	43/36	90	135	200	250	0
19/24	30	120	245		0	61/36	90	160	190		0
19/27	30	195			0	45/39	90	180	270	315	0

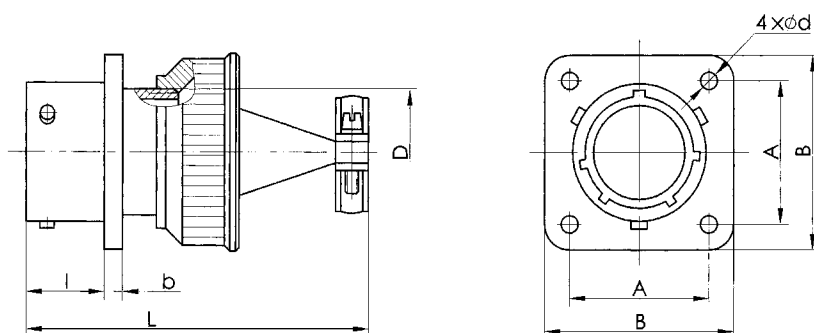
External installation dimensions

① 1- Socket with simplified tail accessories



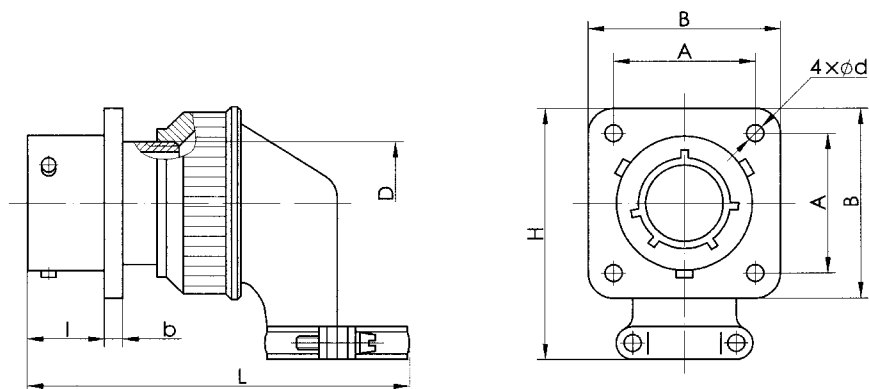
PN	size mm						
	A	B	D	dmin	l	bmax	L
CHЦ23-4/14B(P)-1-B	16.5	21.7	14	2.2	11.3	1.4	32.5
CHЦ23-3/14B(P)-1-B							
CHЦ23-10/18B(P)-1-B	19.5	25.9	18.5	3.2			
CHЦ23-7/18B(P)-1-B							
CHЦ23-19/22B(P)-1-B	23	29.4	21.7				
CHЦ23-10/22B(P)-1-B							
CHЦ23-7/22B(P)-1-B	25	31.4	24.85				
CHЦ23-19/24B(P)-1-B							
CHЦ23-32/27B(P)-1-B	27	33.4	26.3				
CHЦ23-19/27B(P)-1-B							
CHЦ23-28/27B(P)-1-B	31	37.8	29.5				
CHЦ23-41/30B(P)-1-B							
CHЦ23-24/30B(P)-1-B	34	41.5	32.6		14.5		
CHЦ23-55/33B(P)-1-B							
CHЦ23-32/33B(P)-1-B	36.5	44.5	35.8	15.3			
CHЦ23-61/36B(P)-1-B							
CHЦ23-43/36B(P)-1-B	40	46.4	39				
CHЦ23-45/39B(P)-1-B							

2- Socket with straight clamp type tail attachment



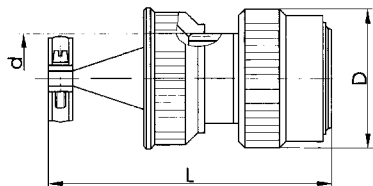
PN	size mm						
	A	B	D	dmin	l	bmax	L
CHЦ23-4/14B(P)-2-B	16.5	21.7	14	2.2	11.3	1.4	42
CHЦ23-3/14B(P)-2-B							
CHЦ23-10/18B(P)-2-B	19.5	25.9	18.5	3.2		1.8	48
CHЦ23-7/18B(P)-2-B							
CHЦ23-19/22B(P)-2-B	23	29.4	21.7				
CHЦ23-10/22B(P)-2-B							
CHЦ23-7/22B(P)-2-B	25	31.4	24.85				
CHЦ23-19/24B(P)-2-B							
CHЦ23-32/27B(P)-2-B	27	33.4	26.3				
CHЦ23-19/27B(P)-2-B							
CHЦ23-28/27B(P)-2-B	31	37.8	29.5				
CHЦ23-41/30B(P)-2-B							
CHЦ23-24/30B(P)-2-B	34	41.5	32.6	14.5	2.15	50	
CHЦ23-55/33B(P)-2-B							
CHЦ23-32/33B(P)-2-B	36.5	44.5	35.8	15.3			
CHЦ23-61/36B(P)-2-B							
CHЦ23-43/36B(P)-2-B	40	46.4	39				
CHЦ23-45/39B(P)-2-B							

④ 4- Socket with curved clamp type tail attachment

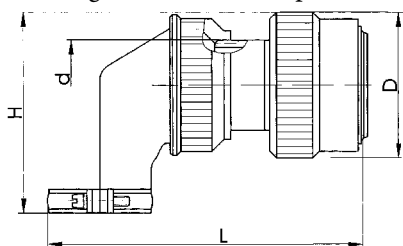


PN	size mm							
	A	B	D	dmin	l	bmax	H	L
CHЦ23-4/14B(P)-4-B	16.5	21.7	14	2.2	11.3	1.4	69	69
CHЦ23-3/14B(P)-4-B								
CHЦ23-10/18B(P)-4-B	19.5	25.9	18.5	3.2				
CHЦ23-7/18B(P)-4-B								
CHЦ23-19/22B(P)-4-B	23	29.4	21.7					
CHЦ23-10/22B(P)-4-B								
CHЦ23-7/22B(P)-4-B	25	31.4	24.85					
CHЦ23-19/24B(P)-4-B								
CHЦ23-32/27B(P)-4-B	27	33.4	26.3					
CHЦ23-19/27B(P)-4-B								
CHЦ23-28/27B(P)-4-B	31	37.8	29.5					
CHЦ23-41/30B(P)-4-B								
CHЦ23-24/30B(P)-4-B	34	41.5	32.6	14.5	2.15			
CHЦ23-55/33B(P)-4-B								
CHЦ23-32/33B(P)-4-B	36.5	44.5	35.8					
CHЦ23-61/36B(P)-4-B								
CHЦ23-43/36B(P)-4-B	40	46.4	39	15.3				
CHЦ23-45/39B(P)-4-B								

⑥ 6-Plug with straight clip type tail



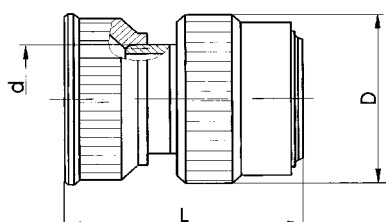
⑧ 8-Plug with curved clamp tail



PN	size mm		
	Dmax	d	L
CHЦ23-4/14B(P)-6-B	22.6	14	50
CHЦ23-3/14B(P)-6-B			
CHЦ23-10/18B(P)-6-B			
CHЦ23-7/18B(P)-6-B	26	18.5	
CHЦ23-19/22B(P)-6-B			
CHЦ23-10/22B(P)-6-B	29.7	21.7	
CHЦ23-7/22B(P)-6-B			
CHЦ23-19/24B(P)-6-B	32.9	24.85	
CHЦ23-32/27B(P)-6-B			
CHЦ23-19/27B(P)-6-B	35.3	26.3	
CHЦ23-28/27B(P)-6-B			
CHЦ23-41/30B(P)-6-B	39	29.5	
CHЦ23-24/30B(P)-6-B			
CHЦ23-55/33B(P)-6-B			
CHЦ23-32/33B(P)-6-B	42	32.6	
CHЦ23-61/36B(P)-6-B			
CHЦ23-43/36B(P)-6-B	46	35.8	
CHЦ23-45/39B(P)-6-B			
CHЦ23-43/36B(P)-6-B	49	39	
CHЦ23-45/39B(P)-6-B			

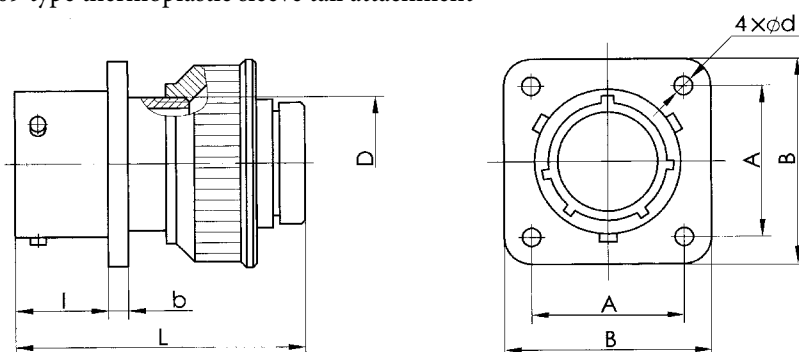
PN	size mm			
	D	d	H	L
CHL23-4/14B(P)-8-B	22.6	14	45	69
CHL23-3/14B(P)-8-B				
CHL23-10/18B(P)-8-B				
CHL23-7/18B(P)-8-B	26	18.5		
CHL23-19/22B(P)-8-B				
CHL23-10/22B(P)-8-B	29.7	21.7		
CHL23-7/22B(P)-8-B				
CHL23-19/24B(P)-8-B	32.9	24.85		
CHL23-32/27B(P)-8-B				
CHL23-19/27B(P)-8-B	35.3	26.3		
CHL23-28/27B(P)-8-B				
CHL23-41/30B(P)-8-B	39	29.5		
CHL23-24/30B(P)-8-B				
CHL23-55/33B(P)-8-B	42	32.6		
CHL23-32/33B(P)-8-B				
CHL23-61/36B(P)-8-B	46	35.8		
CHL23-43/36B(P)-8-B				
CHL23-45/39B(P)-8-B	49	39		

11-Plug with simplified tail attachment



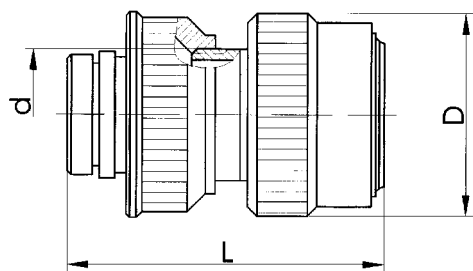
PN	size mm		
	Dmax	d	L
CHL23-4/14B(P)-11-B	22.6	14	32.5
CHL23-3/14B(P)-11-B			
CHL23-10/18B(P)-11-B	26	18.5	
CHL23-7/18B(P)-11-B			
CHL23-19/22B(P)-11-B	29.7	21.7	
CHL23-10/22B(P)-11-B			
CHL23-7/22B(P)-11-B	32.9	24.85	
CHL23-19/24B(P)-11-B			
CHL23-32/27B(P)-11-B	35.3	26.3	
CHL23-19/27B(P)-11-B			
CHL23-28/27B(P)-11-B	39	29.5	
CHL23-41/30B(P)-11-B			
CHL23-24/30B(P)-11-B	42	32.6	
CHL23-55/33B(P)-11-B			
CHL23-32/33B(P)-11-B	46	35.8	
CHL23-61/36B(P)-11-B			
CHL23-43/36B(P)-11-B	49	39	
CHL23-45/39B(P)-11-B			

12-Socket with 09 type thermoplastic sleeve tail attachment



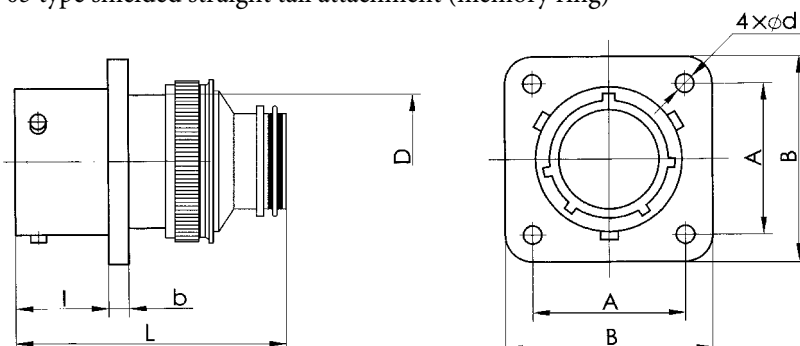
PN	size mm						
	A	B	D	dmin	I	bmax	L
CHL23-4/14B(P)-12-B	16.5	21.7	14	2.2	11.3	1.4	50
CHL23-3/14B(P)-12-B							
CHL23-10/18B(P)-12-B	19.5	25.9	18.5	3.2			
CHL23-7/18B(P)-12-B							
CHL23-19/22B(P)-12-B	23	29.4	21.7				
CHL23-10/22B(P)-12-B							
CHL23-7/22B(P)-12-B	25	31.4	24.85				
CHL23-19/24B(P)-12-B							
CHL23-32/27B(P)-12-B	27	33.4	26.3				
CHL23-19/27B(P)-12-B							
CHL23-28/27B(P)-12-B	31	37.8	29.5				
CHL23-41/30B(P)-12-B							
CHL23-24/30B(P)-12-B	34	41.5	32.6	14.5	2.15	51	
CHL23-55/33B(P)-12-B							
CHL23-32/33B(P)-12-B	36.5	44.5	35.8				
CHL23-61/36B(P)-12-B							
CHL23-43/36B(P)-12-B	40	46.4	39				
CHL23-45/39B(P)-12-B							

13-Plug with 09 type thermoplastic sleeve tail attachment



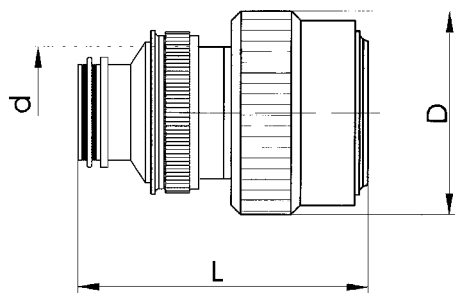
PN	size mm		
	Dmax	d	L
CHЦ23-4/14B(P)-13-B	22.6	14	50
CHЦ23-3/14B(P)-13-B			
CHЦ23-10/18B(P)-13-B	26	18.5	
CHЦ23-7/18B(P)-13-B			
CHЦ23-19/22B(P)-13-B	29.7	21.7	
CHЦ23-10/22B(P)-13-B			
CHЦ23-7/22B(P)-13-B	32.9	24.85	
CHЦ23-19/24B(P)-13-B			
CHЦ23-32/27B(P)-13-B	35.3	26.3	
CHЦ23-19/27B(P)-13-B			
CHЦ23-28/27B(P)-13-B	39	29.5	
CHЦ23-41/30B(P)-13-B			
CHЦ23-24/30B(P)-13-B	42	32.6	51
CHЦ23-55/33B(P)-13-B			
CHЦ23-32/33B(P)-13-B	46	35.8	
CHЦ23-61/36B(P)-13-B			
CHЦ23-43/36B(P)-13-B	49	39	
CHЦ23-45/39B(P)-13-B			

15-Socket with 05 type shielded straight tail attachment (memory ring)



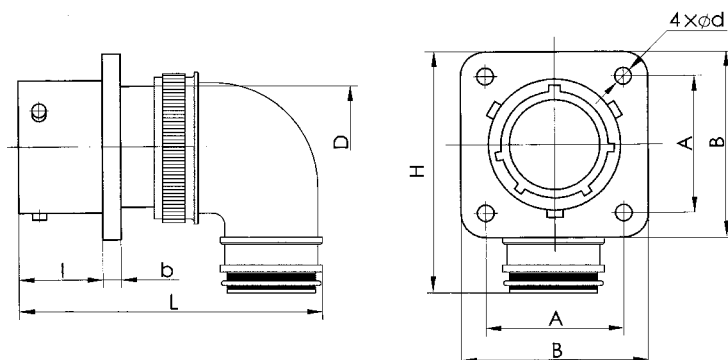
PN	size mm						
	A	B	D	dmin	l	bmax	L
CHЦ23-4/14B(P)-15-B	16.5	21.7	14	2.2	11.3	1.4	55
CHЦ23-3/14B(P)-15-B							
CHЦ23-10/18B(P)-15-B	19.5	25.9	18.5	3.2			
CHЦ23-7/18B(P)-15-B							
CHЦ23-19/22B(P)-15-B	23	29.4	21.7				
CHЦ23-10/22B(P)-15-B							
CHЦ23-7/22B(P)-15-B	25	31.4	24.85				
CHЦ23-19/24B(P)-15-B							
CHЦ23-32/27B(P)-15-B	27	33.4	26.3				
CHЦ23-19/27B(P)-15-B							
CHЦ23-28/27B(P)-15-B	31	37.8	29.5				
CHЦ23-41/30B(P)-15-B							
CHЦ23-24/30B(P)-15-B	34	41.5	32.6			14.5	
CHЦ23-55/33B(P)-15-B							
CHЦ23-32/33B(P)-15-B	36.5	44.5	35.8	15.3	2.15		
CHЦ23-61/36B(P)-15-B							
CHЦ23-43/36B(P)-15-B							
CHЦ23-45/39B(P)-15-B	40	46.4	39				

② 16-Plug with 05 type shielded straight tail attachment (memory ring)



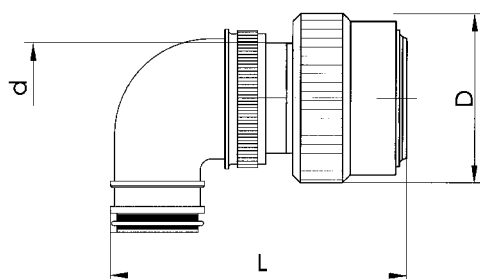
PN	size mm		
	Dmax	d	L
CHЦ23-4/14B(P)-16-B	22.6	14	55
CHЦ23-3/14B(P)-16-B			
CHЦ23-10/18B(P)-16-B	26	18.5	
CHЦ23-7/18B(P)-16-B			
CHЦ23-19/22B(P)-16-B	29.7	21.7	
CHЦ23-10/22B(P)-16-B			
CHЦ23-7/22B(P)-16-B	32.9	24.85	
CHЦ23-19/24B(P)-16-B			
CHЦ23-32/27B(P)-16-B	35.3	26.3	
CHЦ23-19/27B(P)-16-B			
CHЦ23-28/27B(P)-16-B	39	29.5	
CHЦ23-41/30B(P)-16-B			
CHЦ23-24/30B(P)-16-B	42	32.6	
CHЦ23-55/33B(P)-16-B			
CHЦ23-32/33B(P)-16-B	46	35.8	
CHЦ23-61/36B(P)-16-B			
CHЦ23-43/36B(P)-16-B	49	39	
CHЦ23-45/39B(P)-16-B			

② 17-Socket with 06 type shielded curved tail attachment (memory ring)



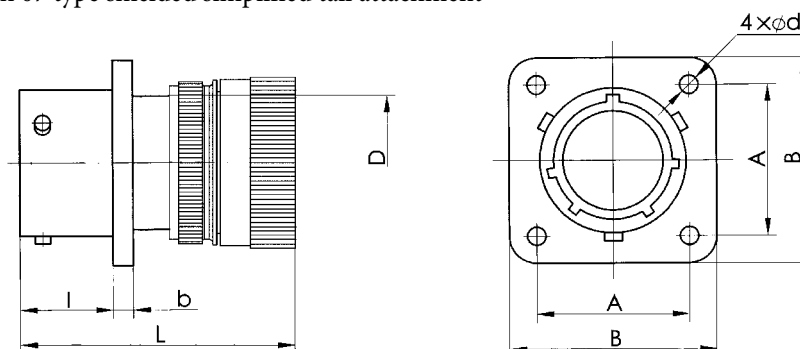
PN	size mm												
	A	B	D	dmin	I	bmax	L	H					
CHЦ23-4/14B(P)-17-B	16.5	21.7	14	2.2	11.3	1.4	40	69					
CHЦ23-3/14B(P)-17-B													
CHЦ23-10/18B(P)-17-B	19.5	25.9	18.5	3.2		1.8							
CHЦ23-7/18B(P)-17-B													
CHЦ23-19/22B(P)-17-B	23	29.4	21.7			1.8							
CHЦ23-10/22B(P)-17-B													
CHЦ23-7/22B(P)-17-B	25	31.4	24.85			1.8							
CHЦ23-19/24B(P)-17-B													
CHЦ23-32/27B(P)-17-B	27	33.4	26.3			1.8							
CHЦ23-19/27B(P)-17-B													
CHЦ23-28/27B(P)-17-B	31	37.8	29.5			1.8							
CHЦ23-41/30B(P)-17-B													
CHЦ23-24/30B(P)-17-B	34	41.5	32.6		14.5	2.15							
CHЦ23-55/33B(P)-17-B													
CHЦ23-32/33B(P)-17-B	36.5	44.5	35.8		15.3				2.15				
CHЦ23-61/36B(P)-17-B													
CHЦ23-43/36B(P)-17-B	40	46.4	39										
CHЦ23-45/39B(P)-17-B													

18-Plug with 06 type shielded bent tail attachment (memory ring)



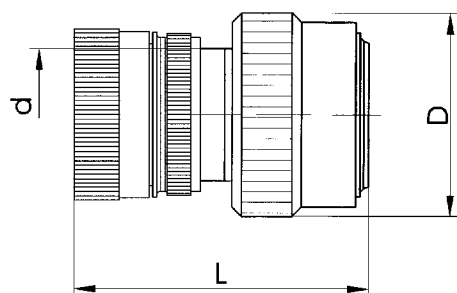
PN	size mm			
	Dmax	d	L	
CHL23-4/14B(P)-18-B	22.6	14	40	
CHL23-3/14B(P)-18-B				
CHL23-10/18B(P)-18-B				
CHL23-7/18B(P)-18-B	26	18.5		
CHL23-19/22B(P)-18-B				
CHL23-10/22B(P)-18-B	29.7	21.7		
CHL23-7/22B(P)-18-B				
CHL23-19/24B(P)-18-B	32.9	24.85		
CHL23-32/27B(P)-18-B				
CHL23-19/27B(P)-18-B	35.3	26.3		
CHL23-28/27B(P)-18-B				
CHL23-41/30B(P)-18-B	39	29.5		
CHL23-24/30B(P)-18-B				
CHL23-55/33B(P)-18-B	42	32.6		
CHL23-32/33B(P)-18-B				
CHL23-61/36B(P)-18-B	46	35.8		
CHL23-43/36B(P)-18-B				
CHL23-45/39B(P)-18-B	49	39		

19-Socket with 07 type shielded simplified tail attachment



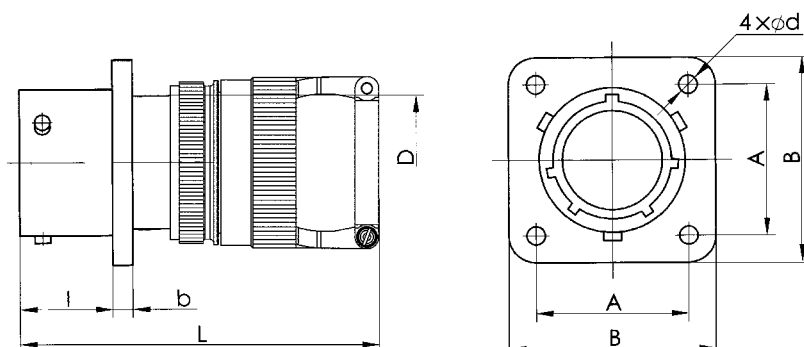
PN	size mm											
	A	B	D	dmin	I	bmax	L					
CHЦ23-4/14B(P)-19-B	16.5	21.7	14	2.2	11.3	1.4	56					
CHЦ23-3/14B(P)-19-B												
CHЦ23-10/18B(P)-19-B												
CHЦ23-7/18B(P)-19-B	19.5	25.9	18.5	3.2		1.8						
CHЦ23-19/22B(P)-19-B	23	29.4	21.7									
CHЦ23-10/22B(P)-19-B												
CHЦ23-7/22B(P)-19-B												
CHЦ23-19/24B(P)-19-B	25	31.4	24.85									
CHЦ23-32/27B(P)-19-B	27	33.4	26.3									
CHЦ23-19/27B(P)-19-B												
CHЦ23-28/27B(P)-19-B												
CHЦ23-41/30B(P)-19-B	31	37.8	29.5									
CHЦ23-24/30B(P)-19-B												
CHЦ23-55/33B(P)-19-B	34	41.5	32.6			14.5			2.15			
CHЦ23-32/33B(P)-19-B												
CHЦ23-61/36B(P)-19-B	36.5	44.5	35.8			15.3						
CHЦ23-43/36B(P)-19-B												
CHЦ23-45/39B(P)-19-B	40	46.4	39									

20-Plug with 07 type shielded simplified tail attachment



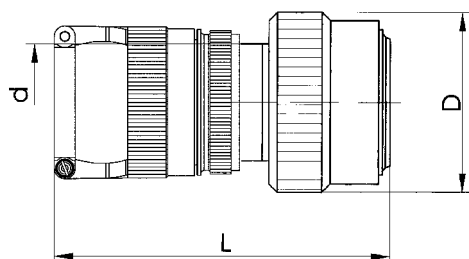
PN	size mm		
	Dmax	d	L
CHL23-4/14B(P)-20-B	22.6	14	56
CHL23-3/14B(P)-20-B			
CHL23-10/18B(P)-20-B	26	18.5	
CHL23-7/18B(P)-20-B			
CHL23-19/22B(P)-20-B	29.7	21.7	
CHL23-10/22B(P)-20-B			
CHL23-7/22B(P)-20-B	32.9	24.85	
CHL23-19/24B(P)-20-B			
CHL23-32/27B(P)-20-B	35.3	26.3	
CHL23-19/27B(P)-20-B			
CHL23-28/27B(P)-20-B	39	29.5	
CHL23-41/30B(P)-20-B			
CHL23-24/30B(P)-20-B	42	32.6	
CHL23-55/33B(P)-20-B			
CHL23-32/33B(P)-20-B	46	35.8	
CHL23-61/36B(P)-20-B			
CHL23-43/36B(P)-20-B	49	39	
CHL23-45/39B(P)-20-B			

21-Socket with 08 type shielded straight clamp wire tail attachment



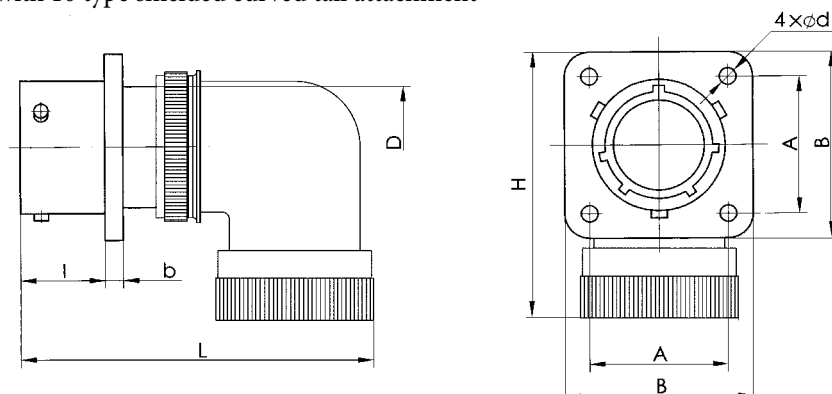
PN	size mm						
	A	B	D	dmin	l	bmax	L
CHL23-4/14B(P)-21-B	16.5	21.7	14	2.2	11.3	1.4	66
CHL23-3/14B(P)-21-B							
CHL23-10/18B(P)-21-B	19.5	25.9	18.5	3.2			
CHL23-7/18B(P)-21-B							
CHL23-19/22B(P)-21-B	23	29.4	21.7			1.8	
CHL23-10/22B(P)-21-B							
CHL23-7/22B(P)-21-B	25	31.4	24.85				
CHL23-19/24B(P)-21-B							
CHL23-32/27B(P)-21-B	27	33.4	26.3				72
CHL23-19/27B(P)-21-B							
CHL23-28/27B(P)-21-B	31	37.8	29.5				
CHL23-41/30B(P)-21-B							
CHL23-24/30B(P)-21-B	34	41.5	32.6	14.5		2.15	78
CHL23-55/33B(P)-21-B							
CHL23-32/33B(P)-21-B	36.5	44.5	35.8	15.3			
CHL23-61/36B(P)-21-B							
CHL23-43/36B(P)-21-B							
CHL23-45/39B(P)-21-B	40	46.4	39				

22-Plug with 08 type shielded straight clamp wire tail attachment



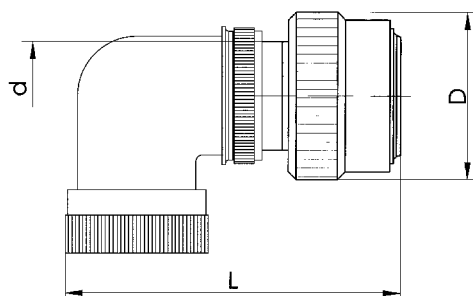
PN	size mm		
	Dmax	d	L
CHL23-4/14B(P)-22-B	22.6	14	66
CHL23-3/14B(P)-22-B			
CHL23-10/18B(P)-22-B			
CHL23-7/18B(P)-22-B	26	18.5	70
CHL23-19/22B(P)-22-B			
CHL23-10/22B(P)-22-B			
CHL23-7/22B(P)-22-B	29.7	21.7	72
CHL23-19/24B(P)-22-B			
CHL23-32/27B(P)-22-B			
CHL23-19/27B(P)-22-B	32.9	24.85	78
CHL23-28/27B(P)-22-B			
CHL23-41/30B(P)-22-B			
CHL23-24/30B(P)-22-B	35.3	26.3	72
CHL23-55/33B(P)-22-B			
CHL23-32/33B(P)-22-B			
CHL23-61/36B(P)-22-B	42	32.6	78
CHL23-43/36B(P)-22-B			
CHL23-45/39B(P)-22-B			

25-Socket with 10 type shielded curved tail attachment



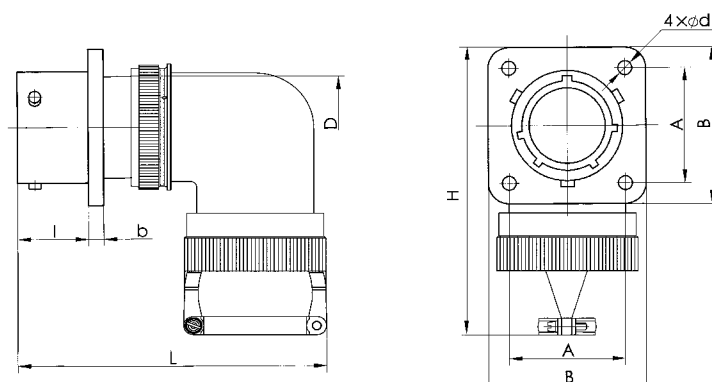
PN	size mm							
	A	B	D	dmin	I	bmax	L	H
CHL23-4/14B(P)-25-B	16.5	21.7	14	2.2	11.3	1.4	66	57
CHL23-3/14B(P)-25-B								
CHL23-10/18B(P)-25-B	19.5	25.9	18.5	3.2		1.8	70	
CHL23-7/18B(P)-25-B								
CHL23-19/22B(P)-25-B	23	29.4	21.7			1.8	72	
CHL23-10/22B(P)-25-B								
CHL23-7/22B(P)-25-B	25	31.4	24.85			1.8	72	
CHL23-19/24B(P)-25-B								
CHL23-32/27B(P)-25-B	27	33.4	26.3			1.8	72	
CHL23-19/27B(P)-25-B								
CHL23-28/27B(P)-25-B	31	37.8	29.5		1.8	72		
CHL23-41/30B(P)-25-B								
CHL23-24/30B(P)-25-B	34	41.5	32.6	14.5	2.15	78	73	
CHL23-55/33B(P)-25-B								
CHL23-32/33B(P)-25-B	36.5	44.5	35.8	15.3	78			
CHL23-61/36B(P)-25-B								
CHL23-43/36B(P)-25-B	40	46.4	39					
CHL23-45/39B(P)-25-B								

26-Plug with 10 type shielded bent tail attachment



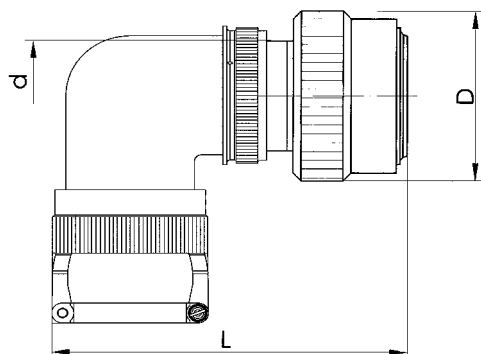
PN	size mm		
	Dmax	d	L
CHL23-4/14B(P)-26-B	22.6	14	66
CHL23-3/14B(P)-26-B			
CHL23-10/18B(P)-26-B			
CHL23-7/18B(P)-26-B	26	18.5	70
CHL23-19/22B(P)-26-B			
CHL23-10/22B(P)-26-B			
CHL23-7/22B(P)-26-B	29.7	21.7	72
CHL23-19/24B(P)-26-B			
CHL23-32/27B(P)-26-B			
CHL23-19/27B(P)-26-B	35.3	26.3	78
CHL23-28/27B(P)-26-B			
CHL23-41/30B(P)-26-B			
CHL23-24/30B(P)-26-B	39	29.5	78
CHL23-55/33B(P)-26-B			
CHL23-32/33B(P)-26-B			
CHL23-61/36B(P)-26-B	42	32.6	78
CHL23-43/36B(P)-26-B			
CHL23-45/39B(P)-26-B			

27-Socket with 11 type shielded bent clamp wire tail attachment



PN	size mm							
	A	B	D	dmin	l	bmax	L	H
CHЦ23-4/14B(P)-27-B	16.5	21.7	14	2.2	11.3	1.4	66	51
CHЦ23-3/14B(P)-27-B								
CHЦ23-10/18B(P)-27-B	19.5	25.9	18.5	3.2				
CHЦ23-7/18B(P)-27-B								
CHЦ23-19/22B(P)-27-B	23	29.4	21.7					
CHЦ23-10/22B(P)-27-B								
CHЦ23-7/22B(P)-27-B	25	31.4	24.85					
CHЦ23-19/24B(P)-27-B								
CHЦ23-32/27B(P)-27-B	27	33.4	26.3	11.3	1.8	72	87	
CHЦ23-19/27B(P)-27-B								
CHЦ23-28/27B(P)-27-B	31	37.8	29.5					
CHЦ23-41/30B(P)-27-B								
CHЦ23-24/30B(P)-27-B	34	41.5	32.6		14.5	2.15	78	113
CHЦ23-55/33B(P)-27-B								
CHЦ23-32/33B(P)-27-B	36.5	44.5	35.8	15.3				
CHЦ23-61/36B(P)-27-B								
CHЦ23-43/36B(P)-27-B	40	46.4	39					
CHЦ23-45/39B(P)-27-B								

◎ 28-Plug with 11 type shielded bent clamp wire tail attachment



PN	size mm			
	Dmax	d	L	
CHL23-4/14B(P)-28-B	22.6	14	66	
CHL23-3/14B(P)-28-B				
CHL23-10/18B(P)-28-B				
CHL23-7/18B(P)-28-B	26	18.5		
CHL23-19/22B(P)-28-B				
CHL23-10/22B(P)-28-B	29.7	21.7	72	
CHL23-7/22B(P)-28-B				
CHL23-19/24B(P)-28-B	32.9	24.85		
CHL23-32/27B(P)-28-B				
CHL23-19/27B(P)-28-B	35.3	26.3		
CHL23-28/27B(P)-28-B				
CHL23-41/30B(P)-28-B	39	29.5	78	
CHL23-24/30B(P)-28-B				
CHL23-55/33B(P)-28-B	42	32.6		
CHL23-32/33B(P)-28-B				
CHL23-61/36B(P)-28-B	46	35.8		
CHL23-43/36B(P)-28-B				
CHL23-45/39B(P)-28-B	49	39		



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