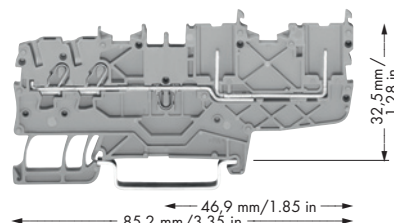


1-Conductor/1-Pin Receptacle Terminal Blocks; 2-Conductor/2-Pin Receptacle Terminal Blocks, Series 2020

Technical drawing of a mechanical part, likely a bracket or support, with dimensions in mm and inches:

- Overall width: 28,6 mm / 1.13 in
- Overall height: 32,5 mm / 1.28 in
- Internal width (between mounting holes): 48,5 mm / 1.91 in



- [illegible]

X-COM® S-SYSTEM MINI

1-Conductor Female Plugs; 2-Conductor Female Plugs Series 2020

	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① I_N 13.5 A* Module width ② 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① I_N 13.5 A* Module width ② 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in
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- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree

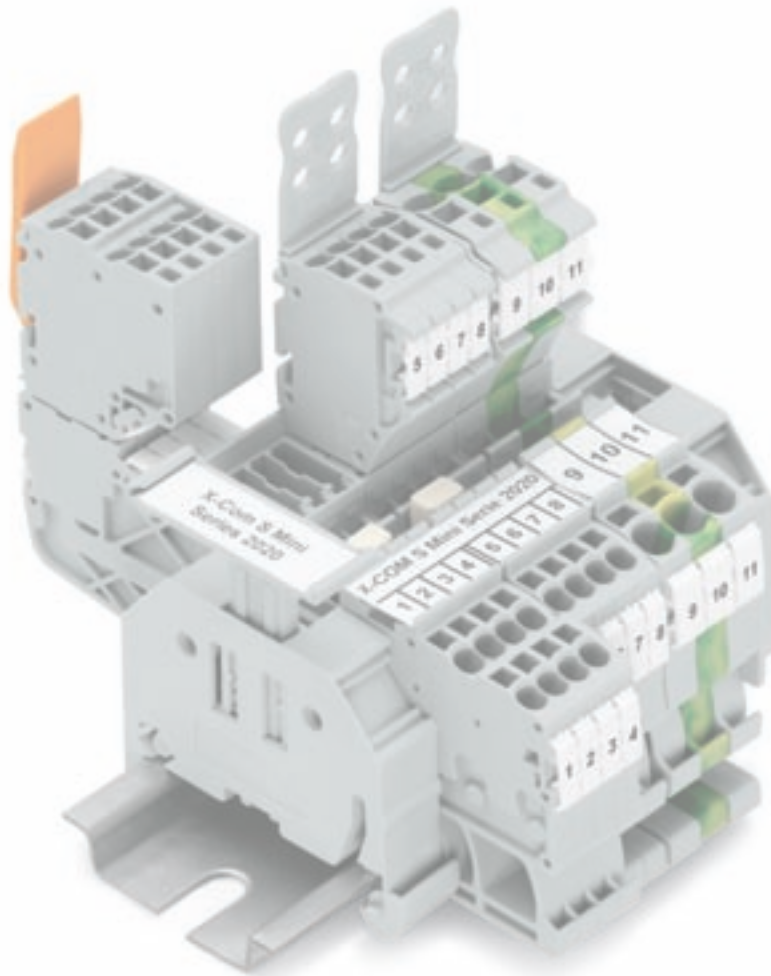
- ② The female plugs come equipped with an end plate, 0.7 mm/0.027 in thick. The receptacle terminal blocks must also be fitted with end plates.



Description	No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit
1-conductor female plug with CAGE CLAMP®S, to be inserted into receptacle terminal blocks	1-conductor female plug, with coding fingers, gray, 2 poles	2020-102	100	2-conductor female plug, with coding fingers, gray, 2 poles	2020-202	100
	3 poles	2020-103	50	3 poles	2020-203	50
2-conductor female plug with CAGE CLAMP®S, to be inserted into receptacle terminal blocks	:	:		:	:	
	14 poles	2020-114	10	14 poles	2020-214	10
	15 poles	2020-115	10	15 poles	2020-215	10
Additional poles and/or mixed (gray/blue/green-yellow) female plugs on request						
Accessories Appropriate marking systems: WMB/Marker Strips						
 Locking levers can be snapped on female plugs	Female plugs with 2 poles	3 poles and more		Female plugs with 2 poles	3 poles and more	
	gray	2022-141	2022-151 100 (4 x 25)	gray	2022-141	2022-151 100 (4 x 25)
	orange	2022-142	2022-152 100 (4 x 25)	orange	2022-142	2022-152 100 (4 x 25)
 Protective warning marker, with high-voltage symbol, for 5 terminal blocks	yellow	2000-115	100 (4 x 25)	yellow	2000-115	100 (4 x 25)
 Strain relief plate, gray, snap-on type, for 1- and 2-conductor female plugs	2 to 3 poles	734-327	100 (4 x 25)	2 to 3 poles	734-327	100 (4 x 25)
	4 to 6 poles	734-328	100 (4 x 25)	4 to 6 poles	734-328	100 (4 x 25)
	7 to 9 poles	734-329	100 (4 x 25)	7 to 9 poles	734-329	100 (4 x 25)
	10 to 15 poles	734-326	100 (4 x 25)	10 to 15 poles	734-326	100 (4 x 25)
 WMB Multi marking card Pin spacing: 3.5 mm/0.138 in, 10 strips with 10 markers per card, white	plain	793-3501	5	plain	793-3501	5
 Marker strips, on roll, 50 m, 11 mm/0.039 in wide, white	plain	2009-110	1	plain	2009-110	1
 Test pin, Ø 1 mm/0.039 in		859-500			859-500	



*Current-carrying capacity curves on request



Series 2022

0.25 – 2.5 (4) mm² | AWG 22 – 12
500 V/6 kV/3 ①
I_N 24 (32) A*

Terminal block width 5.2 mm / 0.205 in
 10 – 12 mm / 0.43 in

-
- 28,6 mm / 1,13 in
32,5 mm / 1,2 in

Description	Item no.	Pack. unit
1-conductor/1-pin receptacle terminal blocks,	1-conductor/1-pin receptacle terminal block	
suitable for DIN 35 rail acc. to EN 60715	gray 2022-1201 	100
	blue 2022-1204 	100
	1-conductor/1-pin ground receptacle terminal block	
	green-yellow 2022-1207 	100

Accessories Appropriate marking systems: **WMB / WMB Inline / Marker strips**

	End and intermediate plate	1 mm / 0.039 in thick		
		gray	2022-1291	100 (4 x 25)
	Insulation stop, light gray	0.25 – 0.5 mm ²	2002-171	200 strips
	5 pieces/strip dark gray	0.75 – 1 mm ²	2002-172	200 strips
	Push-in type jumper bars, light gray, insulated, I _N 25 A	2-way	2002-402	200 (8 x 25)
		3-way	2002-403	200 (8 x 25)
		4-way	2002-404	200 (8 x 25)
		5-way	2002-405	100 (4 x 25)
		:		
		10-way	2002-410	100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I _N 25 A	from 1 to 3	2002-433	200 (8 x 25)
		from 1 to 4	2002-434	200 (8 x 25)
		from 1 to 5	2002-435	100 (4 x 25)
		:	:	
		from 1 to 10	2002-440	100 (4 x 25)
	Push-in type wire jumpers Ⓢ, insulated, 9 A wire size 1.5 mm ² /AWG 16	L = 60 mm/2.362 in	2009-412	10
		L = 110 mm/4.331 in	2009-414	10
		L = 250 mm/9.843 in	2009-416	10
	Carrier with 6 coding pins, for coding of female plugs	orange	2022-100	100 (4 x 25)
	Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks	yellow	2002-115	100 (4 x 25)
	Test pin, Ø 1 mm/0.039 in		859-500	

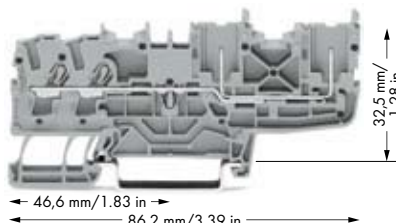
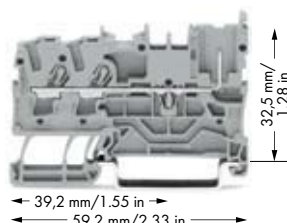


Female plugs with CAGE CLAMP®S connection

*Current-carrying capacity curves on request

2-Conductor/1-Pin Receptacle and 2-Conductor/2-Pin Receptacle Terminal Block Series 2022

0.25 – 2.5 (4) mm² ① AWG 22 – 12 690 V/6 kV/3 ② I_N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² ① AWG 22 – 12 690 V/6 kV/3 ② I_N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	
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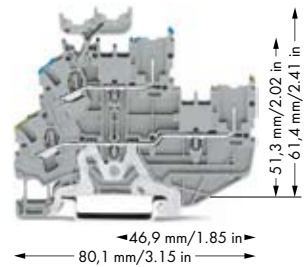
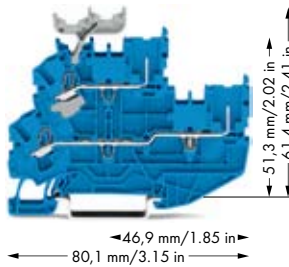
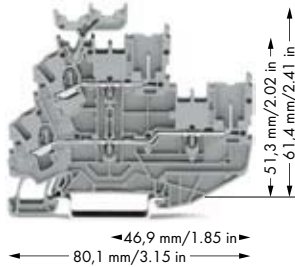
Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs
2-conductor/1-pin receptacle			2-conductor/2-pin receptacle				
suitable for DIN 35 rail			suitable for DIN 35 rail				
grey	2022-1301	100	grey	2022-1401	50		
blue	2022-1304	100	blue	2022-1404	50		
2-conductor/1-pin ground-receptacle			2-conductor/2-pin ground-receptacle				
suitable for DIN 35 rail			suitable for DIN 35 rail				
green-yellow	2022-1307	100	green-yellow	2022-1407	50		
Accessories - Item Specific							
End and intermediate plate , 1 mm thick			End and intermediate plate , 1 mm thick				
orange 2022-1392 100 (4 x 25)			orange 2002-1492 100 (4 x 25)				
grey 2022-1391 100 (4 x 25)			grey 2002-1491 100 (4 x 25)				
Accessories - Series 2022 - Appropriate marking systems: WMB/WMB Inline/Marker Strips							
Insulation stop , 5 pcs/strip			Push-in type wire jumpers , insulated, I _N 16 A wire size 1.5mm ²			Continuous marking strip , blank	
light grey 2002-171 0.25-0.5 mm ²			60mm 2009-412 100 (10x10)			11mm wide	
dark grey 2002-172 0.75-1 mm ²			110mm 2009-414 100 (10x10)			50 m roll	
			250mm 2009-416 100 (10x10)			white	2009-110 1
Push-in type jumper bars , light grey, insulated, I _N 25 A			Carrier with 6 coding pins			End stop	
2-way 2002-402 200 (8 x 25)			for coding of female plugs			suitable for DIN 35 rail	
3-way 2002-403 200 (8 x 25)			orange 2022-100 100 (4x25)			6 mm wide	
4-way 2022-404 200 (8 x 25)			Test pin			grey	249-116 100 (4x25)
:			1 mm Ø				
10-way 2002-410 100 (4 x 25)			859-500 1				
Push-in type jumper bars , light grey, insulated, I _N 25 A			Protective warning marker , with high voltage symbol				
1 - 3 2002-433 200 (8 x 25)			for 5mm terminal blocks				
1 - 4 2002-434 200 (8 x 25)			yellow 2002-115 100 (4 x 25)				
1 - 5 2002-435 100 (4 x 25)							
:			1-conductor femail plug ,				
1 - 10 2002-440 100 (4 x 25)			grey 2022-101 200				
			Multi marking card				
			10 strips with 10 markers each				
			5-5.2mm				
			blank 793-5501 5				
			WMB Inline , blank				
			5-5.2mm				
			1,500 WMB markers on 5mm roll				
			white 2009-115 1				

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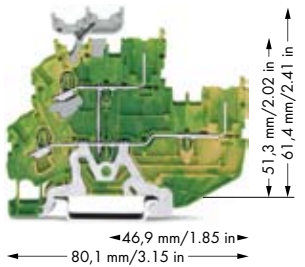
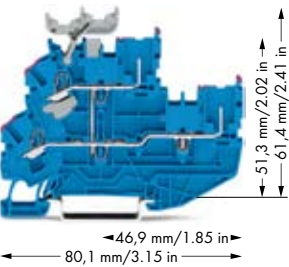
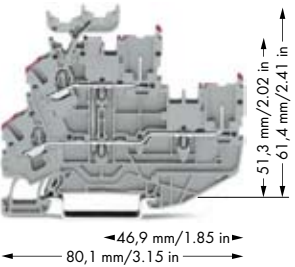
1-Conductor/1-Pin Double Deck Receptacle Terminal Blocks

Series 2022

0.25 – 2.5 (4) mm ² ① AWG 22 – 12 690 V/6 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² ① AWG 22 – 12 690 V/6 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² ① AWG 22 – 12 690 V/6 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
1-conductor/1-pin double deck receptacle		1-conductor/1-pin double deck receptacle		1-conductor/1-pin double deck receptacle	
through/through		through/through		ground/through	
with marking carrier		with marking carrier		with marking carrier	
housing color grey		housing color blue		housing color grey	
L/L	2022-2231 50	N/N	2022-2234 50	PE/N	2022-2247 50
N/L	2022-2232 50			PE/L	2022-2257 50
L/N	2022-2233 50				
1-conductor/1-pin double deck receptacle		1-conductor/1-pin double deck receptacle		1-conductor/1-pin double deck receptacle	
through/through		through/through		ground/through	
without marking carrier		without marking carrier		without marking carrier	
housing color grey		housing color blue		housing color grey	
L/L	2022-2201 50	N/N	2022-2204 50	N/N	2022-2217 50
N/L	2022-2202 50			PE/L	2022-2227 50
L/N	2022-2203 50				



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor/2-pin double deck receptacle		2-conductor/2-pin double deck receptacle		2-conductor/2-pin double deck receptacle	
feed-through		feed-through		ground	
with marking carrier, internal common		with marking carrier, internal common		with marking carrier, internal common	
connector entry colored violet, housing color grey		connector entry colored violet, housing color blue		housing color grn-yellow	
L	2022-2238 50	N	2022-2239 50	PE	2022-2237 50
2-conductor/2-pin double deck receptacle		2-conductor/2-pin double deck receptacle		2-conductor/2-pin double deck receptacle	
feed-through		feed-through		ground	
without marking carrier, internal common		without marking carrier, internal common		without marking carrier, internal common	
connector entry colored violet, housing color grey		connector entry colored violet, housing color blue		housing color grn-yellow	
L	2022-2208 50	N	2022-2209 50	PE	2022-2207 50

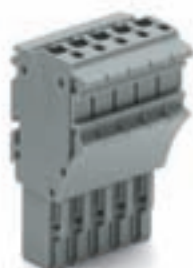
Accessories - Series 2022 - Appropriate marking systems: WMB/WMB Inline/Marker Strips			
End and intermediate plate, 1 mm thick		Two way marking adapter	
	orange	2022-2292	100 (4 x 25)
	grey	2022-2291	100 (4 x 25)
		pivotable	
		grey	2002-121 50 (2 x 25)
Insulation stop, 5 pcs/strip		200 strips (8x25)	
	light grey	2002-171	0.25-0.5 mm ²
	dark grey	2002-172	0.75-1 mm ²
Push-in type jumper bars, light grey, insulated,		Push-in type wire jumpers, insulated, I_N 16 A wire size 1.5mm²	
	I _N 25 A		
	2-way	2002-402	200 (8 x 25)
	3-way	2002-403	200 (8 x 25)
	4-way	2002-404	200 (8 x 25)
	:	:	
10-way		2002-410	100 (4 x 25)
		Carrier with 6 coding pins	
		for coding of female plugs	
		orange	2022-100 100 (4x25)
		Test pin	
		1 mm Ø	
		859-500	1
Push-in type jumper bars, light grey, insulated,		Protective warning marker, with high voltage symbol	
	I _N 25 A		
	1 - 3	2002-433	200 (8 x 25)
	1 - 4	2002-434	200 (8 x 25)
	1 - 5	2002-435	100 (4 x 25)
	:	:	
1 - 10		2002-440	100 (4 x 25)
			
		for 5mm terminal blocks	
		yellow	2002-115 100 (4 x 25)
		1-conductor femail plug,	
		grey	2022-101 200
Multi marking cards, blank		Multi marking card	
	10 strips with 10 markers each		
	5-5.2 mm		
	yellow	793-5501/000-002	
	red	793-5501/000-005	
	blue	793-5501/000-006	
grey		793-5501/000-007	
orange		793-5501/000-012	
light green		793-5501/000-017	
green		793-5501/000-023	
violet		793-5501/000-024	
			
		10 strips with 10 markers each	
		5-5.2mm	
		blank	
		793-5501	5
		WMB Inline, blank	
		5-5.2mm	
		1,500 WMB markers on 5mm roll	
		white	2009-115 1
		Continuous marking strip, blank	
		11mm wide	
		50 m roll	
		white	2009-110 1

X-COM® S-SYSTEM

1-Conductor Female Plugs

Series 2022

	0,25 – 2.5 (4) mm² AWG 22 – 12 690 V/6 kV/3 ❶ I_N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	
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- ① 690 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree

Description	No. of poles	Item no.	Pack. unit
1-conductor female plug with CAGE CLAMP®S connection, to be fixed on receptacle terminal blocks or male connectors	1-conductor female plugs, with coding fingers, gray, 1 pole 2022-101 2 poles 2022-102 3 poles 2022-103 : : 14 poles 2022-114 15 poles 2022-115	 	 200 100 50 10 10
Higher number of poles and/or mixed (gray/blue/green-yellow) female plugs on request	For other lengths, please contact factory		
Description	Appropriate marking systems: WMB/WMB Inline/Marker Strips		
 Insulation stop, light gray 5 pieces/strip dark gray	0.25 – 0.5 mm ² 0.75 – 1 mm ²	2002-171 2002-172	200 strips 200 strips
 Locking levers, can be snapped on female plugs gray orange	Female plugs with 1 pole	2 poles and more 2022-141 2022-151 2022-142 2022-152	100 (4 x 25) 100 (4 x 25)
 Protective warning marker, yellow with high-voltage symbol, for 5 terminal blocks		2002-115	100 (4 x 25)
 Strain relief plate, gray snap-on type, for 1-conductor female plugs	2-pole 3- to 4-pole 5- to 6-pole 7- to 10-pole 11- to 14-pole 15-pole	734-327 734-328 734-329 734-326 734-430 734-431	100 (4 x 25) 100 (4 x 25) 100 (4 x 25) 100 (4 x 25) 50 (2 x 25) 50 (2 x 25)
 Test pin, 1 mm/0.039 in Ø		859-500	



To code a female plug, remove the desired coding finger using a suitable tool . . .



... and insert a 2022-100 coding pin into the corresponding location of the receptacle terminal block.

* Current-carrying capacity curves on request

X-COM® S-SYSTEM

Pre-Assembled Female Plugs

CAGE CLAMP®S

0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ① I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ① I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ① I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit
1-conductor female plug, with coding fingers, green-yellow, gray,			1-conductor female plug, with coding fingers, green-yellow, blue, gray,			1-conductor female plug, with coding fingers, green-yellow, blue, gray,		
3 poles	2022-103/000-036	50	3 poles	2022-103/000-038	50	5 poles	2022-105/000-038	50
1-conductor female plug, with coding fingers, gray, green-yellow			1-conductor female plug, with coding fingers, gray, blue, green-yellow,			1-conductor female plug, with coding fingers, gray, blue, green-yellow,		
3 poles	2022-103/000-037	50	3 poles	2022-103/000-039	50	5 poles	2022-105/000-039	50

X-COM® -SYSTEM

Female Plugs for Self-Assembly

0.25 – 2.5 (4) mm² | AWG 22 – 12
 690 V/6 kV/3 ❶
 I_N 24 (32) A**
 Module width 5.2 mm / 0.205 in
 10 – 12 mm / 0.43 in



- ❶ 690 V = rated voltage
 6 kV = rated surge voltage
 3 = pollution degree

	No. of poles	Item no.	Pack. unit	
	1-conductor base module with integrated end plate			
	gray	2022-161	250	
	blue	2022-164	250	
	green-yellow	2022-167	250	
	1-conductor center module			
	gray	2022-171	250	
	blue	2022-174	250	
	green-yellow	2022-177	250	
	1-conductor end module			
	gray	2022-181	250	
	blue	2022-184	250	
	green-yellow	2022-187	250	
Accessories Appropriate marking systems: WMB, WMB Inline, Marker Strips (see Full Line Catalog 2009/2010)				

**Current-carrying capacity curves and accessories see Full Line Catalog 2009/2010

	Self-Assembly of Individual Female Plugs Using modular female plugs from the X-COM®S-SYSTEM, female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes). Modules and Pole Numbers A self-assembled female plug consists of: - a - base module with integrated end plate - up to 13 - center modules (corresponding to a 15-pole female plug = maximum number of poles) - as well as an - end module. Intended Use According to EN 61984, connectors without current interrupting capacity shall not be mated and unmated when live or under load. Assembly The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches. Example: 5-Pole, 1-Conductor Female Plug  Base module with integrated end plate 2022-167 Center module 2022-174 Center modules 2022-171 End module 2022-181
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