APsystems DS&QS&QT&ECU(EMEA) Accessories EN

Rev 2.1

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3. Accessories Summary

Region	Category	Accessories								
		Bus Cable Mandatory				AC Connector (Male) Optional	AC Connector (Female) Optional	Bus Cable End Cap Mandatory	Bus Cable CONN Cap Optional	5C Connector Unlock Tool Mandatory
Europe	Part No.	2322604802	2322900902	2322609122	2322909102	2301511002	2301512002	2062050012	2061252032	2353000002
	Name	3-phase 5C Bus Cable (2.5mm², H07,2.4m)	3-phase 5C Bus Cable (2.5mm², H07,4.6m)	3-phase 5C Bus Cable (4mm², H07,2.4m)	3-phase 5C Bus Cable (4mm², H07,4.6m)	AC Connector (5C,40A,male)	AC Connector (5C,40A,female)	5C Bus Cable End Cap (Two seals)	5-wire Bus Cable T-CONN Cap	5C Connector Unlock Tool
	Application	For grid connection of multiple microinverters in parallel				For extending the bus cable	For extending the bus cable	For waterproofing the bus cable end	For waterproofing unused bus connectors	For unlocking 5C bus cable and 5C connectors
	Picture									

Region	Category	Accessories					
		DC Male Connector Cap Optional	DC Female Connector Cap Optional	DC Extension Cable Optional			
Europe	Part No.	2060401006	2060402006	2310310274	2310360214	2310360224	2310370236
	Name	DC Male Connector Cap (MC4)	DC Female Connector Cap (MC4)	1m DC Extension Cable (MC4)	2m DC Extension Cable (MC4)	3m DC Extension Cable (MC4)	4m DC Extension Cable (MC4)
	Application	For waterproofing unused male DC connectors	For waterproofing unused female DC connectors	For extending DC cables			
	Picture						

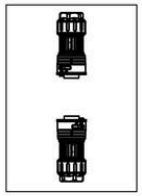
Notes: The cables in this table are recommended by APsystems, and the O.D. and length of the cable can be customized according to customer needs.

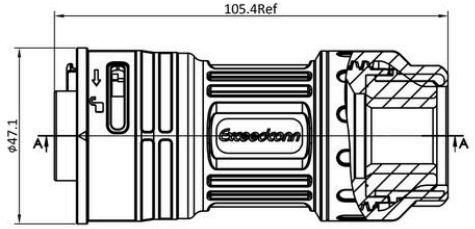
2301511002_AC Connector(5C,40A,male)

CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE

RoHS
REACH

Instruction



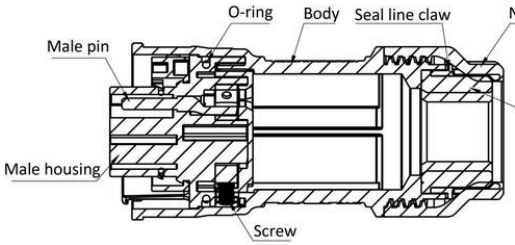


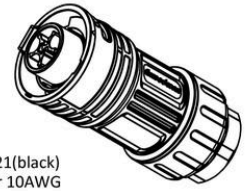


Wrench



剖面 A-A



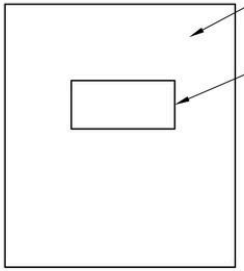


Two seals
Seal inner diameter ϕ21(black)
For cable size:4mm² or 10AWG

Seal inner diameter ϕ16(grey)
For cable size:2.5mm² ,12AWG or 14AWG

Notes:
Electric testing:
1.Rated Voltage:600V;
2.Rated Current:40A;
3.Contact Resistance:≤50mΩ;
4.Dielectric Withstanding Voltage:3000V
5.Insulation resistance：≥500MΩ;
Mechanical property:
1.Mating Cycle：≥500次;
2.Applicable cables：2.5mm²,4mm²,10AWG,12AWG,14AWG
Environmental performance:
1.Waterproof Rate：IP67 1m-30min(After mating);
2.Operating Temperature：-40°C~105°C
Others:
1.Type No:EN200-2105-101-02

Packing



Part Number ： 2301511002
Product Name: AC Connector（5C,40A,male）

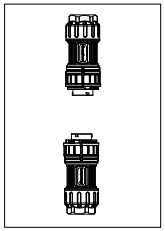
TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL	APsystems
X.	±1.00	X	±3.00°		
.X	±0.50	.X	±2.00°		NAME
.XX	±0.20	.XX	±1.00°		AC Connector（5C,40A,male）
.XXX	±0.10	.XXX	±0.50°		
DWN.		UNIT mm			DRAWING NO.
CHK.		SHEET --	OF --	REV. 0.2	

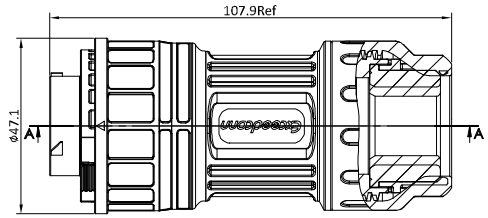
2301512002_AC Connector(5C,40A,female)

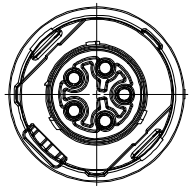
CHANGE NO.	CHANGE CONTENTS	REV.	NAME/DATE
①	Add instruction、wrench、seal instruction	0.1	ZZH 2023-4-20
②	Update applicable cables(add 12AWG)	0.2	ZZH 2024-5-23

RoHS REACH

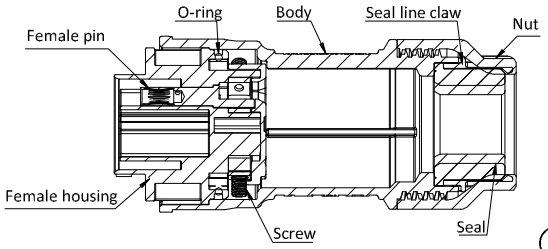
① Instruction

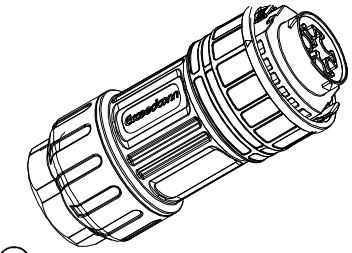




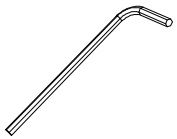


Section A-A





① Wrench

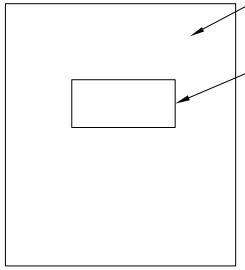


① ② Two seals
Seal inner diameter Φ21(black)
For cable size:4mm² or 10AWG

Seal inner diameter Φ16(grey)
For cable size:2.5mm² ,12AWG or 14AWG

Notes:
Electric testing:
1.Rated Voltage:600V;
2.Rated Current:40A;
3.Contact Resistance:≤50mΩ;
4.Dielectric Withstanding Voltage:3000V
5.Insulation resistance：≥500MΩ;
Mechanical property:
1.Mating Cycle：≥500;
2.Cable Gauge:2.5-10mm²
Environmental performance:
1.Waterproof Rating：IP67 1m-30min(After mating);
2.Operating Temperature：-40°C~105°C
Others:
1.Type No:EN200-2205-101

Packing



Part Number ： 2301512002
Product Name: AC Connector（5C,40A,female）

TOLERANCES UNLESS OTHERWISE SPECIFIED				MATERIAL	APsystems ALTENERGY POWER
X.	±1.00	X	±3.00°	-	
.X	±0.50	.X	±2.00°		NAME
.XX	±0.20	.XX	±1.00°		AC Connector（5C,40A,female）
.XXX	±0.10	.XXX	±0.50°		
DWN.				UNIT mm	DRAWING NO. -
CHK.				SHEET -- OF -- REV. 0.2	