





Disconnectable Crimp style connectors



This AUH connector is compact and low profile type, height 1.85 mm and width 5.2 mm. wire-to-board connector. And also 5 A in rating current was realized.

- Space saving
- Top entry but side feed type
- Combination of power supply and signal circuits 3 circuits:
 - Power supply 2 circuits + Signal single circuit 5 circuits:
 - Power supply 4 circuits + Signal single circuit
- Connector for DC power supply (5 A)

Specifications —

- Current rating: Signal circuit/ 1 A AC, DC Power supply circuit/ 5 A AC, DC (AWG #22)
- Voltage rating: 30V AC, DC
- Temperature range: -25℃ to +85℃ (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 m Ω max.
- After environmental tests/ 20 mΩ max.
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 200 VAC/ minute
- Applicable wire:
 - Signal circuit; Conductor size/ AWG #30 to #28 Insulation O.D./ 0.5 to 0.63 mm
 - Power supply circuit; Conductor size/AWG #26 to #22 AWG #22; Recommend UL3619 made by Hitachi Cable, Led./Furukawa Electric Co., Ltd. Insulation O.D./ 0.98 to 1.16 mm
- * Refer to (General Instruction and Notice when using Terminals and Connectors) at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.

Standards -

Recognized E60389





<5 circuits>



Note: 1. The above figure is the figure viewed from the connector mounting side.

2. Tolerances are non-cumulative: ± 0.05mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

Table of current rating combinations



		Current unit: A				
No. of	Power supply contact	Circuits No.				
circuits	Wire to be used	No.1	No.2	No.3		
	AWG#22	5	1	5		
3	AWG#24	4	1	4		
	AWG#26	3.5	1	3.5		
	Signal contact AWG#30 to #28					

					(Current unit: A		
No. of	Power supply contact Wire to be used	Circuits No.						
circuits		No.1	No.2	No.3	No.4	No.5		
	AWG#22	5	1	1	1	5		
	AWG#22	4	4	1	4	4		
5	AWG#24	4	1	1	1	4		
		3.5	3.5	1	3.5	3.5		
	AWG#26	3.5	1	1	1	3.5		
		3	3	1	3	3		

Signal contact AWG#30 to #28

AUH CONNECTOR

Contact





Model No.		Applicable wire		Insulation O.D.	Q'ty /	
		mm ²	AWG#	(mm)	reel	
Power supply	SAUH-001G-M0.2	0.13 to 0.33	26 to 22	0.98 to 1.16	18,000	
Signal	SACH-003G-P0.2	0.05 to 0.08	30 to 28	0.5 to 0.63	30,000	
Material and Finish						
Copper alloy, nickel-undercoated, selective gold-plated						
RoHS compliance						

Model No.	Crimping	Applicable wire		Insulation O.D.	Applicator		
woder no.	machine	mm ²	AWG#	(mm)	Crimp applicator	Dies	Crimp applicator with dies
		0.13 to 0.21	26 to 24	0.98 to 1.11	MKS-L-10	MK/SAUH-001-02	APLMK SAUH001-02
SAUH-001G-M0.2					_	_	_
5AUH-001G-100.2		AP-K2N 0.33	22	0.98 to 1.16	MKS-L-10	MK/SAUH-001-02-K	APLMK SAUH001-02-K
					_	_	_
SACH-003G-P0.2		0.05 to 0.08 30 to 28	20 to 29	0.5 to 0.63	MKS-L-10-3	MK/SACH-003-02	APLMK SACH003-02
SACH-003G-P0.2			30 10 28		_	_	_

Note: Contact JST for fully automatic crimping applicator.

Housing



No. of circuits	Model No.	Q'ty / box
3	AUHR-03V-H	1,000
5	AUHR-05V-H	1,000
	Material	
	PBT, UL94V-0, gray	

RoHS compliance

Header



No. of circuits	Model No.	Q'ty / ree
3	BM03B-AUHKS-GA-TB	5,000
5	BM05B-AUHKS-GA-TB	5,000
	Material and Finish	
Housing:	Copper alloy, nickel-undercoated, gold-plated (nickel-stripe) Heat resisting resin, UL94V-0, black ng tab: Copper alloy, copper-undercoated, tin-plated (reflow t	reatment)

RoHS compliance This product displays (LF)(SN) on a label.

AUH CONNECTOR

Model number allocation

Contact



Housing