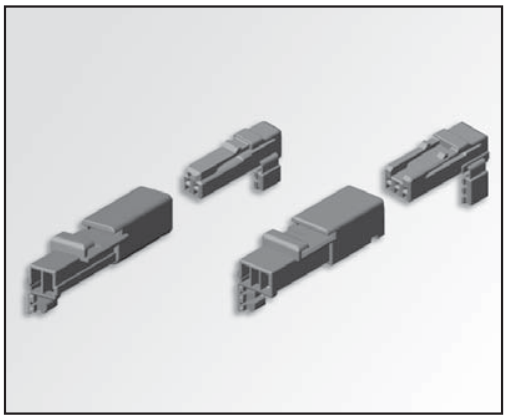
IL-AG9 SERIES CONNECTORS

Compact Relay Connector for Vehicles



JAE has developed a compact relay connector with a small number of contacts (2 to 3 contacts). The terminal tab size is a small 025 size, and a nylon clip can be attached to the pin housing. Furthermore, the connector is equipped with a hinge type double hooking mechanism to prevent incomplete terminal insertion and removal. The contacts of IL-AG5 can be used as terminals.

FEATURES

- A 2.5mm pitch compact relay connector with a small number of contacts uses the existing 025 contact tab size (0.64 x 0.64) IL-AG5 terminals.
- Structure with a key to prevent twisted mating, mis-mating or reverse insertion.
- Mechanical lock method for withstanding vibration and pulling. The lock strength is enhanced to withstand loads using a double-holding spring.
- The housing has a built-in double hook mechanism to prevent contacts from being inserted or partially removed.
- Socket contacts have a contact reliable double spring mechanism. The outer form is a box shape capable of withstanding external forces.
- A nylon clip can be attached to the pin housing. The height and width are short so that the connector can be mated through a small hole.

GENERAL SPECIFICATIONS

Number of Contacts	2, 3 pos.
Contact Resistance	10 milliohm max. (initial)
Withstand Voltage	AC1000V r.m.s for one minute
Operating Temperature	-40°C to +85°C
Rated Current	3A
Insulation Resistance	100 megohm min. (initial)
Rated Life	50 Cycles

Applicable Wire

Cable Type	AV, AVS, AVSS / AVS, AVSS
Cross Section of Conductor	0.3 to 0.5mm^2 / 0.85mm ^{2}
A.W.G. No.	#22 to 20 / #18
Sheath Diameter	1.4dia. to 2.4dia. mm

MATERIALS AND FINISHES*

Component	Materials/Finishes
Insulator	PBT/ Colour: green
Relay Pin Contact	Copper Alloy/Tin Plating
Socket Contact	Phosphor Bronze/Tin Plating

Consult JAE for "Ordering Information".

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.