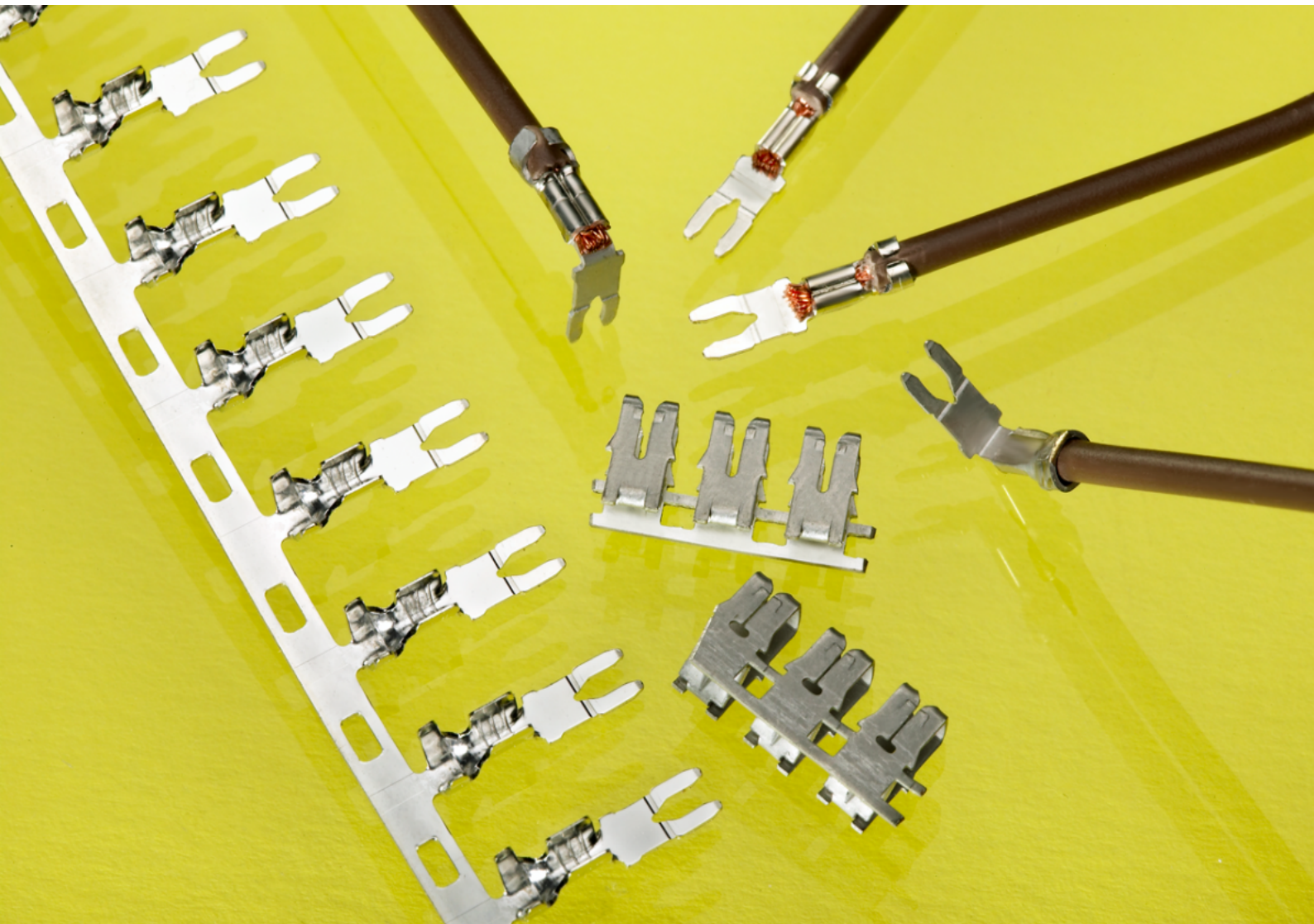


UP **MATE**



 **ESCUBEDO**
CONNECTION SYSTEMS

Escubedo offers the UP-MATE family for magnet wire termination for a quick motors and coils connections. The strip form female can be inserted fully automatic into cavity.

During this operation, the magnet wire is inserted into slot, strips the insulation film and finally it remains under a constant pressure against the slot side walls.

This insertion-wiping action between wire and the terminal slot walls removes any oxid or impurities on all contact surfaces producing a clean stable electrical connection.



Reference Part Number	Metric UP-MATE LARGES (LS Series)		Metric UP-MATE (S Series)		Material Lateral Material (S) (PFR-S) (S) (POST-S) (S)	Material Lateral Material (S) (PFR-S) (S) (POST-S) (S)	Material Lateral Material (S) (PFR-S) (S) (POST-S) (S)	Material Lateral Material (S) (PFR-S) (S) (POST-S) (S)
	Wire gauge (mm)	Wire diameter (mm)	Slot width (mm)	Slot depth (mm)				
3873-01	0.8-2	2.3-3.6	0.5	0.5	Resin/304/UP	Resin/304/UP	Resin/304/UP	Resin/304/UP
3874-01	0.5-0.9	1.5-2.5	0.5	0.5	Resin/304/UP	Resin/304/UP	Resin/304/UP	Resin/304/UP

UP-MATE Terminal Properties

Materiales y recubrimientos/Materials and coatings

o Latón Brass Natural/PRE-Sn/POST-Sn

Especificaciones mecánicas/Mechanical properties

o 1st Insertion terminal-female <10N

o 1st withdrawal terminal-female >50N

o Pull out force according to DIN 46249

Especificaciones eléctricas/Electrical properties

o Current carrying capacity acc. IEC 760 (per way) **16A max.**

o Maximal contact resistance according to IEC 760 **0.39 mΩ**

o Max temperature before relaxation **120°C** according to DIN 61210

Receptacles

Motor terminals for enameled wire

Figure	Part number	Ø Copper magnet wire	Brass Sn 02	Material thickness (mm)	Winding number
	Aluminium wire compatibility: Contact with us				
	6900.**	0,25-0,35	•	0,32	14000
	6902.**	0,65-0,80	•	0,4	
	6903.**	0,32-0,45	•		
	6904.**	0,80-1,20	•		
	6905.**	0,38-0,50	•		
	6906.**	0,45-0,57	•		
6908.**	0,45-0,65	•			

Males

Males to connect to UP-MATE Receptacles


Figure	Part number	Wire size mm ² (AWG)	Ø Insulation (mm)	Brass 00	Brass Pre-Sn 01	Brass Sn 02	Material thickness (mm)	Winding number
	Short male							
	3870.**	0,3-0,9 (22-18)	1,5-2,5	•	•	•	0,5	9000
3871.**	0,8-2 (18-14)	2,3-3,6	•	•	•			
	Tab for applicator bending							
	3874.**	0,3-0,9 (22-18)	1,5-2,5	•	•	•	0,5	9000
3873.**	0,8-2 (18-14)	2,3-3,6	•	•	•	7000		



Males for connector


Long Tab

Figure	Part number	Wire size mm ² (AWG)	Ø Insulation (mm)	Din	00	01	30	31	Material thickness (mm)	Winding number
					Brass	Brass Pre-Sn	Bronze	Bronze Pre-Sn		
	3876.**	0,5-1 (20-18)	1,6-2,3	Esp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,45	6500



Long tab with side bars

Figure	Part number	Wire size mm ² (AWG)	Ø Insulation (mm)	Din	00	01	30	31	Material thickness (mm)	Winding number
					Brass	Brass Pre-Sn	Bronze	Bronze Pre-Sn		
	3878.**	0,5-1 (20-18)	1,6-2,3	Esp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0,45	6500

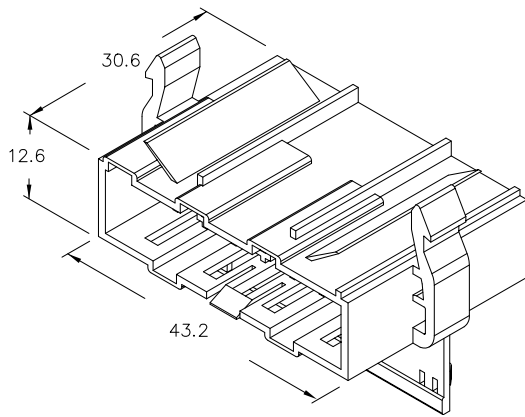


Motor connectors

Back locking connectors

Figure

Part number	Ways	PA66V2 Natural	PA66V0 Natural	NO FLAME Natural	PPV2 NF Natural
		10	30	40	70



Back locking motor connectors 8 ways

R5668**

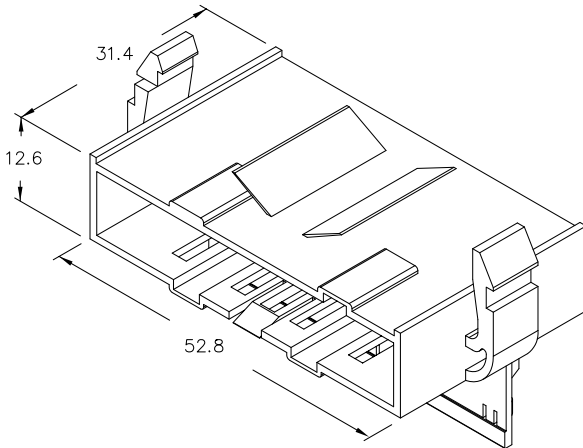
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Side Back locking motor connectors 10 ways

R56610**

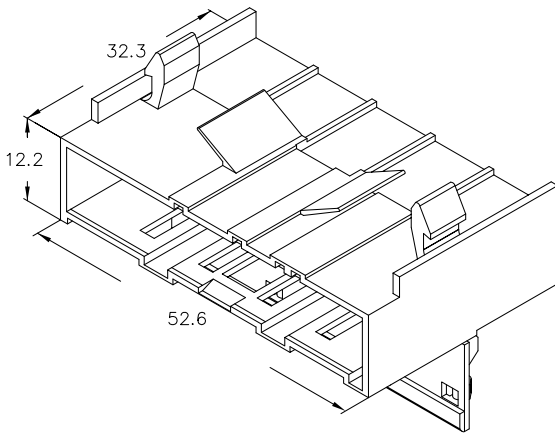
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Motor connectors

Back locking connectors

Figure

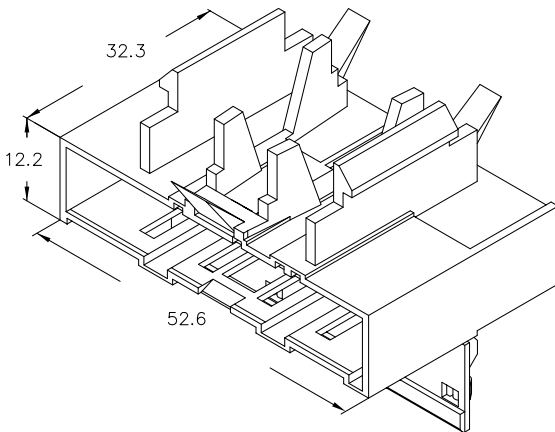


Part number	Ways	PA66V2 Natural	PA66V0 Natural	NO FLAME Natural	PPV2 NF Natural
		10	30	40	70

Central Back locking motor connectors 10 ways

R56310**

10



Low Side Back locking motor connectors 10 ways

R56210**

10

