CAB-00042 – Wired Motor – Orbita

Ver.	Date	Pub	Chk	Description
A1	24/01/2023	EB	AC	Initial drawing.
B1	27/03/2023	EB	AC	Now using Hall sensors

1. Description
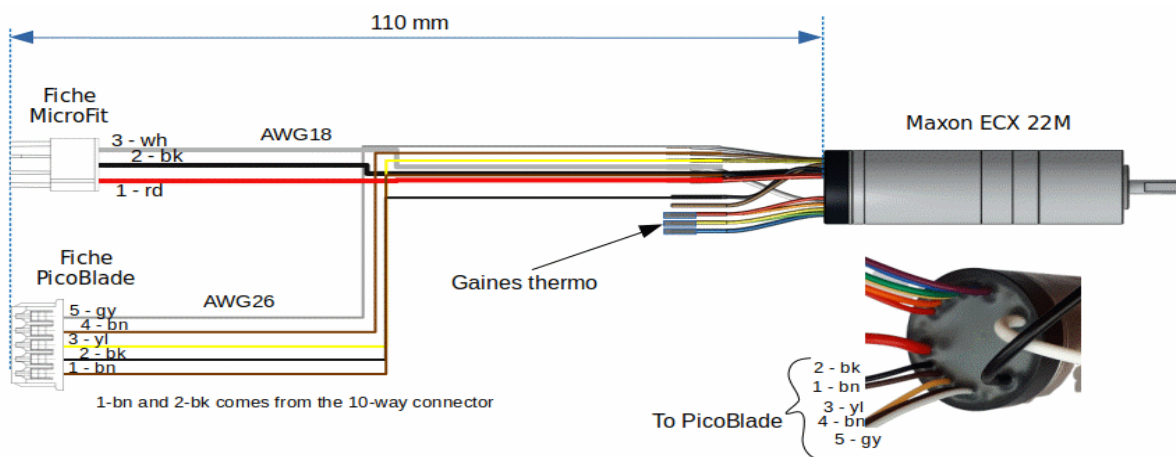
24V BLDC Motor (+Reduction + Encoder) wired for Orbita.

2. Bill of Material

Item	Description	L (mm)	Qtté	Ref. Farnell / RS
BLDC Motor 24V + Reductor + Encoder	ECXTQ22M+GPX22 R1C+ENX22		1	*Provided par Pollen*
Molex PicoBlade Fem. Housing 5 ways	51021-0500		1	/
Contacts for PicoBlade	50079-8000		5	/
Molex MicroFit Fem. Housing 3 ways	43645-0300		1	/
Contacts for MicroFit	46235-0001		3	2284551 /
Gaine thermo				

3. Assembly

Molex PicoBlade Contacts are crimped with the Molex 63811-0000 Tool.
Molex MicroFit Contacts are crimped with the Molex 64016-0201 Tool.

4. Drawing

5. Nota

Please note that the wires 1-brown and 2-black must be taken from the 10-way connector pin #2 and #3.

Réglette à ressort 2.54 mm à 10 pôles
(IEC/EN 60603-13 / DIN41651)
câbles AWG 26
Pin 1 Non connecté
Pin 2 (noir) V_{CC}
Pin 3 (brun)   GND
Pin 4 Non connecté
Pin 5 (rouge)   Canal $\overline{A}$
Pin 6 (orange)   Canal A
Pin 7 (jaune)   Canal $\overline{B}$
Pin 8 (vert)   Canal B
Pin 9 (bleu)   Canal $\overline{I}$
Pin 10 (violet)   Canal I
Signal de sortie: EIA standard RS 422
Courant de sortie par canal: ± 20 mA