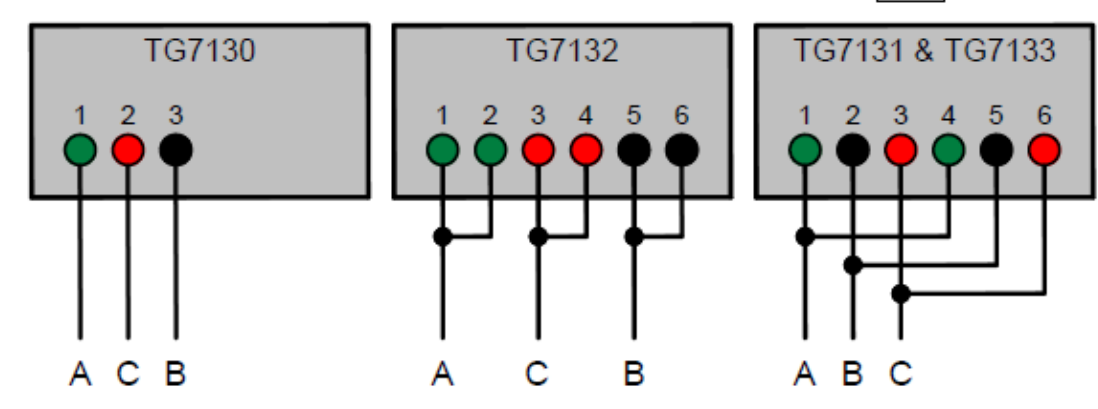


| MOTOR EXCITATION | | | | | | | |
|------------------|-----------------|---|---|---|---|---|---|
| PHASE | EXCITATION STEP | | | | | | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | |
| A | + | | - | - | | + | + |
| B | | + | + | | - | - | |
| C | - | - | | + | + | | - |

POWER CONNECTIONS 1



NOTES:

- 1 POWER CONNECTIONS SHALL BE DONE IN ACCORDANCE TO THE DIAGRAMS SHOWN ON THIS PRINT.
- 2 PHASE LEAD WIRES EXIT STRAIGHT FROM THE PCB. FOR OPTIONAL RIGHT ANGLE EXIT, A MINIMUM CLEARANCE IS REQUIRED TO ACCOUNT FOR WIRE BEND RADIUS/STRAIN RELIEF.

| Hall Sensor Lead Identification | | | TG7130 Phase Lead Identification (3-Lead) | | | TG7132 Phase Lead Identification (6-Lead) | | | TG7131 & TG7133 Phase Lead Identification (6-Lead) | | | Product Identification TG713X Motor Series | |
|---------------------------------|-------|-------------|---|-------|-------------|---|-------|-------------|--|-------|-------------|--|-------------------------|
| Lead # | Color | Description | Lead # | Color | Description | Lead # | Color | Description | Lead # | Color | Description | Item # | Description |
| 1 | YEL | V+ | 1 | GRN | PHASE A | 1 & 2 | GRN | PHASE A | 1 & 4 | GRN | PHASE A | TG7130-M010 | MOTOR, SERIES - WYE |
| 2 | GRY | COM - | 2 | RED | PHASE C | 3 & 4 | RED | PHASE C | 2 & 5 | RED | PHASE C | TG7131-M010 | MOTOR, SERIES - DELTA |
| 3 | BRN | HALL A | | | | | | | | | | TG7132-M010 | MOTOR, PARALLEL - WYE |
| 4 | ORN | HALL B | 3 | BLK | PHASE B | 5 & 6 | BLK | PHASE B | 3 & 6 | BLK | PHASE B | TG7133-M010 | MOTOR, PARALLEL - DELTA |
| 5 | BLU | HALL C | | | | | | | | | | | |

| DRAWING PROJECTION | | |
|---|-------------|-----------|
| | NAME | DATE |
| | DRAWN CS | 23 DEC 15 |
| | CHECKED DH | 23 DEC 15 |
| | APPROVAL EF | 25 MAR 16 |
| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES | | |
| TOLERANCES: LINEAR: .X ±0.020 .XX ±0.010 .XXX ±0.005 | | |
| ANGLES: ±0.1° | | |

ThinGap
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MOTOR ASSEMBLY

ITEM# TG713X-M010

REV A

APPROX WEIGHT 2.6lbs

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