

BALDOR • RELIANCE

Customer information packet

HDS65-0104AEKNN

HDS65-0104A W/INC ENCODER(2500PPR), KEYW

Specifications

| | |
|------------------------------------|------------|
| Bearing Grease Type | Polyrex EM |
| Dimensional Drawing Numbers | HD65LYA004 |
| Nameplate Amps | 3.2 |

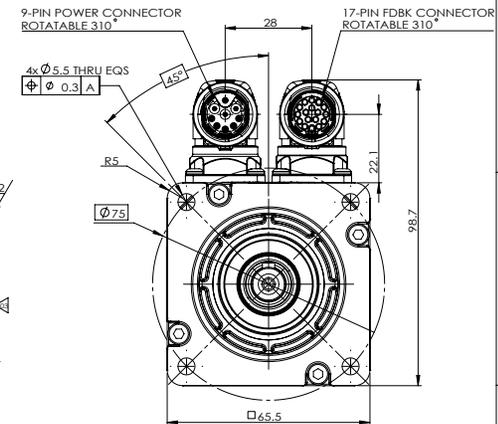
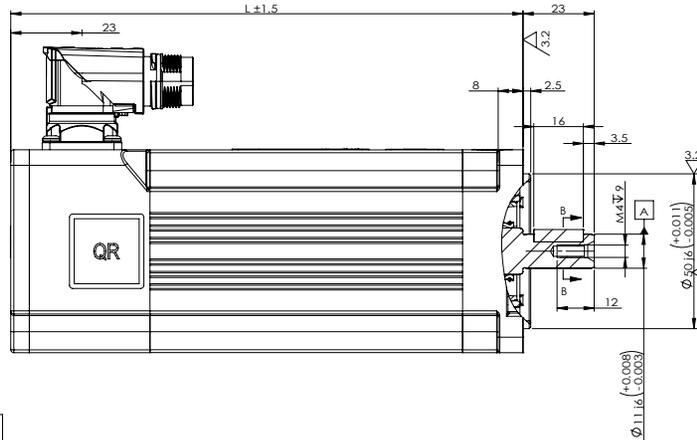
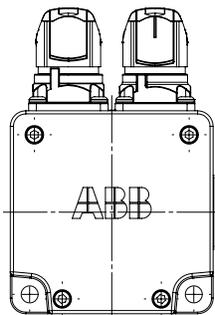
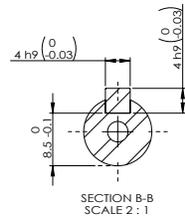
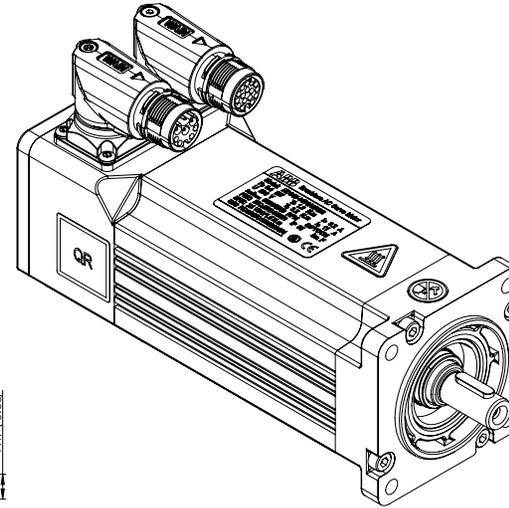
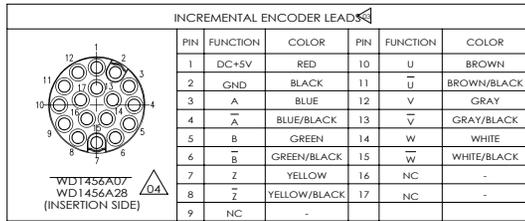
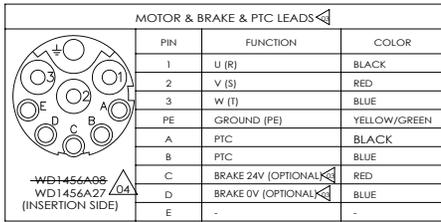
Part detail

| | |
|---------------------|------------|
| Revision | E |
| Type | |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | |
| Layout | HD65LYA004 |
| Eff. date | 04-16-2018 |
| CD Diagram | |
| Poles | |
| Leads | |
| Proprietary | False |
| Created date | 08-16-2017 |

Nameplate

| LB1577T01 | | | | | | | | | |
|------------------|-----------------|-----------|------------|----------|------------|--------------|------|----------|--|
| MODEL: | HDS65-0104AEKNN | | | | | | | | |
| PN | 0.4 | KW | TO | 1.2 | N.M | IO | 3.2 | A | |
| U | 230 | V | TP | 3.6 | N.M | IP | 11.0 | A | |
| NN/N MAX | 3000/5000 | | RPM | 3XPTC130 | | | | | |
| FBK | ENC | | IP | IP54 | | INS F | | | |
| BRK: | VDC/ | | N.M | | | | | | |
| S/N | | | | | | | | | |

HD65LYA004



| MOTOR TYPE | L (MM) | MOMENT OF INERTIA (Kgcm ²) | WEIGHT (Kg) |
|-----------------|--------|--|-------------|
| HDS65-0102AEKBX | 147.5 | 0.19 | 1.81 |
| HDS65-0104AEKBX | 165.5 | 0.30 | 2.38 |
| HDS65-0206AEKBX | 183.5 | 0.42 | 2.95 |
| HDS65-0102AEKNN | 147.5 | 0.15 | 1.41 |
| HDS65-0104AEKNN | 165.5 | 0.27 | 1.98 |
| HDS65-0206AEKNN | 183.5 | 0.39 | 2.55 |

NOTES:
1. DIMENSIONS ARE IN MM

TOLERANCE UNLESS SPEC.
DIM ± 0.5 MM
ANG ± 0.5° RAD=0.4 MM

| | | | |
|----------------------|-------------|------------------------------|-------------------|
| REV: D | VERSION: 04 | REVISED: 02-31-35 01/24/2024 | TDR: 900001223820 |
| MODEL NO. HD65LYA004 | | | REF: - |
| BY: CNCONE | Material: - | | |

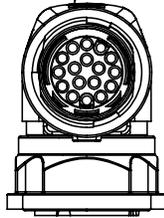
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HDS65 LAYOUT, INC. ENCODER, KEY, BRAKE, SEAL

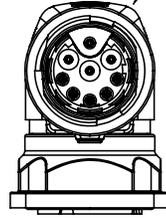
HD65LYA004

CD2167A07

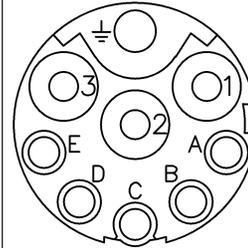
WD1456A07
WD1456A28 03



WD1456A08
WD1456A27 03

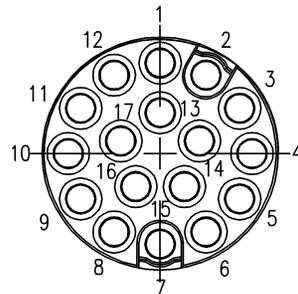


| MOTOR & PTC LEADS | | |
|-------------------|-------------|--|
| PIN | FUNCTION | COLOR |
| 1 | U (R) | BLACK |
| 2 | V (S) | RED |
| 3 | W (T) | BLUE |
| PE | GROUND (PE) | YELLOW/GREEN |
| A | PTC | BLACK 02 |
| B | PTC | BLUE |
| C | BRAKE 24V | RED |
| D | BRAKE 0V | BLUE |
| E | - | - |



WD1456A27
(INSERTION SIDE) 03

| INCREMENTAL ENCODER LEADS | | | | | |
|---------------------------|-----------|--------------|-----|-----------|-------------|
| PIN | FUNCTION | COLOR | PIN | FUNCTION | COLOR |
| 1 | DC+5V | RED | 10 | U | BROWN |
| 2 | GND | BLACK | 11 | \bar{U} | BROWN/BLACK |
| 3 | A | BLUE | 12 | V | GRAY |
| 4 | \bar{A} | BLUE/BLACK | 13 | \bar{V} | GRAY/BLACK |
| 5 | B | GREEN | 14 | W | WHITE |
| 6 | \bar{B} | GREEN/BLACK | 15 | \bar{W} | WHITE/BLACK |
| 7 | Z | YELLOW | 16 | NC | - |
| 8 | \bar{Z} | YELLOW/BLACK | 17 | NC | - |
| 9 | NC | - | | | |



WD1456A28
(INSERTION SIDE) 03

REV. DESC: CHANGE THE DRAWING

REV: C VERSION: 03 REVISED: 01:27:31 01/24/2024 TDR: 000001223820

CD2167A07

MODEL NO. WD1456A28

REF: -

BY: CNCONIE

Material: -

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CONNECTION DIAGRAM, POWER & INCREMENTAL ENCODER, HDS65

CD2167A07