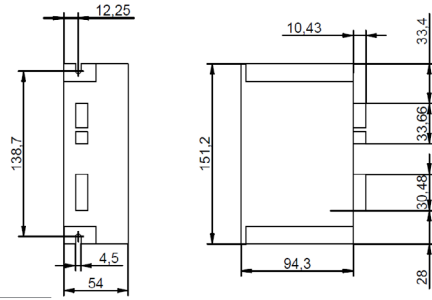


DSH-600

DRAWING (mm)



MODEL NO. DESIGNATION

DSH - CURRENT

Example: DSH-600

PHOTO



OPTIONS POWER SUPPLIES LRS SERIES



GENERAL

| Model | Current | Weight | IP | Temperature range | Accessories |
|---------|---------|---------|------|-------------------|---|
| DSH-600 | 6 A | 0.60 Kg | IP20 | 0 - 50 °C | Power supplies series Transmotec LRS series |

FUNCTIONS

| ALARM PWR | LED indicators | Green LED on Green LED flashes Red LED 2 flashes / 3 seconds Red LED 3 flashes / 3 seconds Red LED 4 flashes / 3 seconds | Motor disabled Motor enabled Undervoltage Overvoltage Overcurrent |
|-------------------|------------------------|--|---|
| DIR- | Motor direction signal | +5 V CW rotational direction | 0 V CCW rotational direction |
| DIR+ | Motor direction Vcc | +5 VDC to enable direction control | - |
| PUL- | Pulse signal | Driver input clock pulses | Max pulse frequency 200 kHz |
| PUL+ | Pulse Vcc | +5 VDC to enable clock pulses | - |
| MF- | Motor enable signal | +5 V to enable rotation | 0 V to disable rotation |
| MF+ | Motor enable Vcc | +5 VDC to enable the enable operation | - |
| A- A+ B- B+ | | Motor phases connection | - |
| DC AC | | Power supply 24-110 VDC polarity any 18-80 VAC | |

Note +5V = signal voltage | +5VDC = continuous supply voltage

CURRENT LIMIT SWITCH SETTINGS

| Current RMS A | 2.00 | 2.57 | 3.14 | 3.71 | 4.28 | 4.86 | 5.43 | 6.00 |
|----------------|------|------|------|------|------|------|------|------|
| Current peak A | 2.40 | 3.08 | 3.77 | 4.45 | 5.14 | 5.83 | 6.52 | 7.20 |
| SW1 | ON | OFF | ON | OFF | ON | OFF | ON | OFF |
| SW2 | ON | ON | OFF | OFF | ON | ON | OFF | OFF |
| SW3 | ON | ON | ON | ON | OFF | OFF | OFF | OFF |

MICRO-STEP SWITCH SETTINGS

| Micro-step/step | 2 | 4 | 8 | 16 | 32 | 64 | 128 | 256 | 5 | 10 | 20 | 25 | 40 | 50 | 100 | 200 |
|-----------------|-----|-----|------|------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| PUL/REV | 400 | 800 | 1.6K | 3.2K | 6.4K | 12.8K | 25.6K | 51.2K | 1K | 2K | 4K | 5K | 8K | 10K | 20K | 40K |
| SW5 | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF |
| SW6 | ON | ON | OFF | OFF | ON | ON | OFF | OFF | ON | ON | OFF | OFF | ON | ON | OFF | OFF |
| SW7 | ON | ON | ON | ON | OFF | OFF | OFF | OFF | ON | ON | ON | ON | OFF | OFF | OFF | OFF |
| SW8 | ON | ON | ON | ON | ON | ON | ON | ON | OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF |

FUNCTION SWITCH SETTINGS

| | | ON-SETTING | OFF-SETTING |
|------|--------------------------|--|---------------------------------------|
| SW4 | Full and half current | Full current always | Half current when pulse time ≥ 200 ms |
| SW9 | Pulse Smoothing | Motor accelerate and decelerate smoothly | Regular acceleration and deceleration |
| SW10 | N/A | N/A | N/A |
| SW11 | Pulse filter | Enabled low pass filter ≤ 400 Hz | Enabled low pass filter ≤ 100 Hz |
| SW12 | N/A | N/A | N/A |
| SW13 | Pulse mode not supported | Always off | Always off |
| SW14 | Self-test | Connect only driver and power to motor. Motor should run by internal pulses at 5 kHz | Normal connection |

