

# GS3-4075 Cut Sheet



DURApulse GS3 series AC general purpose drive, enclosed, 460 VAC, 75hp with 3-phase input, SVC or V/Hz mode, F frame, RS-485, external dynamic braking unit required.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/GS3-4075>

## Technical Specifications

|                                           |                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| Brand                                     | DURApulse                                                                           |
| Item                                      | Drive                                                                               |
| Controller Type                           | General purpose                                                                     |
| Series                                    | GS3                                                                                 |
| Voltage Type                              | AC                                                                                  |
| Nominal Drive Input Voltage               | 460 VAC                                                                             |
| Nominal Drive Output Voltage              | 460 VAC                                                                             |
| Number of Input Phases                    | 3                                                                                   |
| Number of Output Phases                   | 3                                                                                   |
| Horsepower By Input Phase                 | 75hp with 3-phase input                                                             |
| Amperage Rating                           | 110A                                                                                |
| Variable Torque Amperage Rating           | 110A                                                                                |
| Control Mode                              | SVC or V/Hz                                                                         |
| Safe Torque Off (STO)                     | No                                                                                  |
| Temperature Rating                        | -10 to 40 deg C                                                                     |
| Enclosure Type                            | Enclosed                                                                            |
| IP Rating                                 | IP20                                                                                |
| Mounting                                  | Panel or wall                                                                       |
| Frame Size                                | F                                                                                   |
| Dynamic Braking                           | External dynamic braking unit required                                              |
| Communication Port and Connection Type(s) | (1) RS-485 (RJ12)                                                                   |
| Port Protocol(s)                          | <ul style="list-style-type: none"><li>• Modbus RTU</li><li>• Modbus ASCII</li></ul> |
| Port Speed(s)                             | up to 38.4k baud                                                                    |
| Input Signal                              | 4-20 mA, voltage or potentiometer input                                             |
| Output Type                               | PWM output                                                                          |
| Reverse Capability                        | Built-in                                                                            |
| Internally Bypassed                       | No                                                                                  |
| Carrier Frequency Range                   | 1-6 kHz                                                                             |
| Output Frequency Range                    | 0.1-400 Hz                                                                          |
| Number of Analog Input Channels           | 3                                                                                   |

|                                                |                         |
|------------------------------------------------|-------------------------|
| Number Of Input Channels                       | 3                       |
| Analog Input Signal Type                       | Current/voltage         |
| Number of Non-Isolated Analog Input Commons    | 1                       |
| Number of Points per Analog Input Common       | 3                       |
| Input Resolution                               | 10-bit                  |
| Input Current Signal Range                     | 0-20 mA and 4-20 mA     |
| Input Voltage Signal Range                     | +/- 10 VDC              |
| Number of Analog Output Channels               | 1                       |
| Number Of Output Channels                      | 1                       |
| Analog Output Signal Type                      | Voltage                 |
| Number of Non-Isolated Analog Output Commons   | 1                       |
| Number of Points per Analog Output Common      | 1                       |
| Output Resolution                              | 8-bit                   |
| Output Voltage Signal Range                    | 0-10 VDC                |
| Number of Discrete Input Points                | 11                      |
| Nominal Discrete Input Voltage                 | 24 VDC                  |
| Discrete Input Type                            | Sinking/sourcing        |
| Number of Non-Isolated Discrete Input Commons  | 1                       |
| Number of Points per Discrete Input Common     | 11                      |
| Number of Discrete Output Points               | 4                       |
| Nominal Discrete Output Voltage                | 240 VAC and 48 VDC      |
| Discrete Output Type                           | Relay/sinking/sourcing  |
| Relay Configuration                            | (1) Form C (SPDT) relay |
| Number of Non-Isolated Discrete Output Commons | 1                       |

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|                       |                                        |
|-----------------------|----------------------------------------|
| <b>Load Current</b>   | 2.5A/point relay, 50 mA/point discrete |
| <b>Fuse Type</b>      | User-supplied external fuse            |
| <b>Connector Type</b> | Screw terminals                        |
| <b>For Use With</b>   | 3-phase induction motors               |

## Agency Approvals

|                             |                                        |
|-----------------------------|----------------------------------------|
| <b>UL Listed File #</b>     | E198015                                |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | None                                   |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |