

# Product datasheet

Specifications



## adjustable speed drive ATV-28H with heat sink - 0.75 kW - Class A EMC filter

ATV28HU18M2

**!** Discontinued on: 01 November 2020

**!** Discontinued

EAN Code : 3389110347616

### Main

|                           |                      |
|---------------------------|----------------------|
| Range of product          | Altivar 28           |
| Product or component type | Variable speed drive |

### Complementary

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Product destination          | Asynchronous motors                                       |
| [Us] rated supply voltage    | 200...240 V - 15...10 %                                   |
| Supply frequency             | 50...60 Hz - 5...5 %                                      |
| Network frequency limits     | 47.5...63 Hz                                              |
| Network number of phases     | 1 phase                                                   |
| Motor power kW               | 0.75 kW                                                   |
| Motor power hp               | 1 hp                                                      |
| Line current                 | 9.8 A at 200 V<br>8.2 A at 240 V                          |
| Apparent power               | 1 kVA at 230 V                                            |
| Prospective line Isc         | 1 kA                                                      |
| Continuous output current    | 4.8 A at 200 V<br>4.8 A at 240 V                          |
| Speed drive output frequency | 0.5...400 Hz                                              |
| Nominal switching frequency  | 4 kHz                                                     |
| Switching frequency          | 12...16 kHz with derating factor<br>2...12 kHz adjustable |
| Local signalling             | 1 LED (red) for DC bus energized                          |
| Output voltage               | <= power supply voltage                                   |
| Communication port protocol  | Modbus                                                    |
| Connector type               | 1 RJ45                                                    |
| Physical interface           | 2-wire RS 485                                             |
| Transmission frame           | RTU                                                       |
| Transmission rate            | 9600 bps or 19200 bps                                     |
| Data format                  | 8 bits, 1 stop, odd even or no configurable parity        |
| Height                       | 130 mm                                                    |

|             |                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Width       | 105 mm                                                                                                                                     |
| Depth       | 140 mm                                                                                                                                     |
| Option card | Communication card for APOGEE FLN<br>Communication card for BACnet<br>Communication card for LonWorks<br>Communication card for METASYS N2 |

## Environment

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP31 conforming to EN 60530<br>IP31 conforming to EN 61800-5-2<br>IP31 conforming to IEC 60529<br>IP31 conforming to IEC 61800-5-1 |
| Ambient air temperature for operation | -10...40 °C (without derating)<br>40...60 °C (with derating factor)                                                                |
| Ambient air temperature for storage   | -25...70 °C                                                                                                                        |
| Operating altitude                    | <= 2000 m<br>1000...3000 m                                                                                                         |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Recommended replacement(s)

ATV28HU18M2 is replaced by:

|    |                                                                                     |                                                                                      |
|----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1x |  | variable speed drive, ATV320, 0.75 kW, 200...240 V, 1 phase, compact<br>ATV320U07M2C |
|----|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|