

Features

- Bookcase Design
- Output Frequency up to 599HZ
- Removable Keypad
- RJ45 Connection for PC and Copy Unit Unit connection
- STO function to EN61508 SIL2
- Single phase, 200 / 240V from 0.4kW to 2.2kW
- Three phase, 400 / 480 V from 0.75kW to 3.7kW

RS PRO Inverter Drives

RS Stock No.: 2830963



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Buy this product from <https://uk.rs-online.com/>

*Providing users with powerful AC motor speed control in a compact space saving design the ***** provides application versatility that meets the needs of global OEMs and end users that require space savings and easy to use AC drives.*

*The ***** benefits from easy programming, feed through wiring and Safe Torque Off (STO).*

Applications include automatic doors, entry gates, fans, pumps, blowers, food processing equipment, machine tools, mixers, conveyor equipment, packaging machinery, palletizers, ring spinning machines, roving machines, carding machines, draw/twist machine, etc...

General Specifications

| | |
|---------------------------|---|
| Drive Type | V/F Frequency Control |
| Function | Motor control; Run / Stop / Forward / Reverse |
| For Use With | AC motors Three Phase 0-240V |
| Control Panel | Display: Parameter / Parameter Value / Frequency / Line Speed / DC Voltage / Output Voltage / Output Current / PID Feedback / IO Terminal Status / Heatsink Temperature / Program Version / Fault Log |
| Interface | IO-Link, Ethernet, Guardlink |
| Communication Type | RS485 (Modbus) built in with one to one or one to many control, Profibus, DeviceNet, CANopen TCP/IP by gateways |
| Special Features | Built in Modbus / Removable Keypad / Bookcase Design / STO / PTC Feedback |
| Filter Included | Yes – EN61800-3, First Environment Category C2. |

Electrical Specifications

| | |
|------------------------------------|--|
| Input Phase | 3 (Three) |
| Power Rating | 0.75kW / 1 HP |
| Output Voltage Rating | 0-480V Three Phase |
| Output Current Rating | 2.3A |
| Output Frequency | 0Hz to 599Hz |
| Output Frequency Resolution | Digital Input 0.01HZ Analogue Input 0.015Hz / 60Hz |
| Supply Voltage | Three Phase 380 - 480V (+10% -15%) 50/60HZ |
| Input Current | 3.3A |
| Maximum Load | 150% x 60 seconds (every 10 minutes) |

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Electrical Specifications

| Speed Specifications | |
|-------------------------------------|-----------------------------|
| Speed Control Range | 0Hz to 599Hz |
| Speed Accuracy (100% Torque) | 3% |
| Acceleration Time | 0.1 Seconds to 3600 Seconds |
| Deceleration Time | 0.1 Seconds to 3600 Seconds |

Mechanical Specifications

| | |
|---------------------------|----------------------|
| Overall Dimensions | 64mm x 190mm x 158mm |
| Overall Width | 64mm |
| Overall Length | 190mm |
| Overall Depth | 158mm |
| Mounting Type | DIN Rail; Panel |
| Weight | 1.4Kg |

Operation Environment Specifications

| | |
|----------------------------|--|
| Ambient Temperature | -10 - +50°C (with fan) -10 - +40°C (without fan) |
| Storage Temperature | -20°C to 60°C |
| Altitude | Max. 1000m above sea level |

Protection Category

| | |
|------------------|------|
| IP Rating | IP20 |
|------------------|------|

Approvals

| | |
|----------------------|--|
| Standards Met | CE / UKCA / UL / cUL / RCM |
| Declarations | EMC EN61800-3 LVD EN611800-5-1 Electrical Safety UL61800-5-1 |

Similar Products

| Parameters | Stock# | Stock# | Stock# | Stock# |
|------------------------------|--------|--------|--------|--------|
| Brand | RS PRO | RS PRO | RS PRO | RS PRO |
| Drive Type | | | | |
| Function | | | | |
| For Use With | | | | |
| Control Panel | | | | |
| Interface | | | | |
| Field Bus Communication Type | | | | |
| Phase | | | | |
| Power Rating | | | | |
| Output Voltage Rating | | | | |
| Output Current Rating | | | | |
| Output Frequency | | | | |
| Output Frequency Resolution | | | | |
| Supply Voltage | | | | |
| Input Current | | | | |
| Maximum Load | | | | |
| Power Factor (λ) | | | | |
| Offset factor ($\cos\phi$) | | | | |
| Efficiency (η) | | | | |
| Speed Specification | | | | |
| Overall Dimensions | | | | |
| Mounting Type | | | | |
| IP Rating | | | | |
| Hazardous Area Certification | | | | |