

PRODUCT-DETAILS

ACS580-01-293A-4

ACS580-01-293A-4 PN: 160 kW, IN: 293 A



Información General

| | |
|-------------------------|--|
| Global Commercial Alias | ACS580-01-293A-4 |
| Código de producto | 3AUA0000080508 |
| ABB Type Designation | ACS580-01-293A-4 |
| EAN | 6438177305644 |
| Descripción corta | ACS580-01-293A-4 PN: 160 kW, IN: 293 A |

The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.

Descripción larga

All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available.

Clasificación

| | |
|---------------------------|--|
| Country of Origin | Finland (FI) |
| Código arancelario | 85044088 |
| Invoice Description | ACS580-01-293A-4 PN: 160 kW, IN: 293 A |
| Made To Order | Yes |
| Cantidad mínima de pedido | 1 piece |
| Order Multiple | 1 piece |

| | |
|-------------------------|-------|
| Quote Only | No |
| Selling Unit of Measure | piece |

Información de Embalaje

| | |
|--------------|-------------------------|
| Gross Volume | 113.774 dm ³ |
|--------------|-------------------------|

Dimensiones

| | |
|---------------------------|----------|
| Peso del product | 69 kg |
| Largo del product | 393 mm |
| Alto del product | 965 mm |
| Ancho del product | 300 mm |
| Embalaje Nivel 1 Largo | 1145 mm |
| Embalaje Nivel 1 Alto | 630 mm |
| Embalaje Nivel 1 Ancho | 485 mm |
| Embalaje Nivel 1 Unidades | 1 carton |

Technical

| | |
|------------------------------------|---|
| Number of Phases | 3 |
| Grado de protección | IP21 |
| Enclosure Type NEMA | Type1 |
| Altitude | 1000 m |
| Sound dB (A) | 65 dB(A) |
| Frequency (f) | 50/60 Hz |
| Input Voltage (U _{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted |
| Communication Protocol | MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems |
| Number of Hardware Interfaces | Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2 |
| Includes | With control unit Without optical interface With PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 2 |
| Number of Digital In/Outputs | 6/3 |
| Output Current, Heavy-Duty Use | 246 A |
| Output Current, Light-Overload Use | 278 A |
| Output Current, Normal Use | 293 A |
| Output Power, Heavy-Duty Use | 132 kW |

| | |
|--|----------|
| Output Power, Light-Overload Use | 160 kW |
| Output Power, Normal Use | 160 kW |
| Apparent Power Output | 203 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 47 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 977 W | 0.5 % | 91.9 % |
| 0 / 50 % | 1377 W | 0.7 % | 93.9 % |
| 0 / 100 % | 2536 W | 1.2 % | 94.3 % |
| 50 / 25 % | 1083 W | 0.5 % | 95.5 % |
| 50 / 50 % | 1577 W | 0.8 % | 96.6 % |
| 50 / 100 % | 3028 W | 1.5 % | 96.6 % |
| 90 / 50 % | 1902 W | 0.9 % | 97.7 % |
| 90 / 100 % | 4066 W | 2.0 % | 97.5 % |

Temperature Rating Maximum 40 °C

Información Adicional

| | |
|-------------------|---------------------|
| Product Main Type | ACS580-01 |
| Product Name | Frequency converter |

Clasificaciones

| | |
|--------|--|
| ETIM 7 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001 |

Ambiente

| | |
|----------------|---|
| SCIP | 392bf175-c6df-4719-8b82-cdb09cfcad61 Finland (FI) |
| Categoría RAEE | 4. Large Equipment (Any External Dimension More Than 50 cm) |

Categorías

Convertidores de frecuencia → Convertidores de frecuencia de baja tensión de CA → Convertidores de frecuencia de propósito general ABB → ACS580-01 - Wall-mounted drive

