



PRODUCT-DETAILS

ACS380-040S-045A-4

LV AC machinery drive module, IEC: Pn 22 kW, 45 A (ACS380-040S-045A-4)



| General Information | |
|-------------------------|--|
| Global Commercial Alias | ACS380-040S-045A-4 |
| Product ID | 3ABD00046106 |
| ABB Type Designation | ACS380-040S-045A-4 |
| Catalog Description | LV AC machinery drive module, IEC: Pn 22 kW, 45 A (ACS380-040S-045A-4) |
| Long Description | The ACS380 machinery drive comes in several variants, ensuring seamless integration into machines and connecting perfectly to automation systems. It's a great fit for industries such as food and beverage, material handling and textile. Typical applications include mixers, conveyors, EOT and tower cranes, extruders, and textile machinery. With the integrated functional safety features, the ACS380 drive can be also part of the machine's safety system via PROFIsafe over PROFINET, ensuring the motor is safely stopped when required. In addition, the drive's software can be easily customized with adaptive programming to match any specific application requirements. |

| Ordering | |
|------------------------|--------------------------------------|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACS380-040S-045A-4 PN: 22kW, IN: 45A |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Quote Only | No |

Selling Unit of Measure

piece

| | |
|--------------------------------|----------|
| Dimensions | |
| Product Net Weight | 5.3 kg |
| Product Net Depth / Length | 176 mm |
| Product Net Height | 240 mm |
| Product Net Width | 260 mm |
| Package Level 1 Depth / Length | 355 mm |
| Package Level 1 Height | 270 mm |
| Package Level 1 Width | 290 mm |
| Package Level 1 Units | 0 carton |

| | |
|---|------------------|
| Technical | |
| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R4 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 38 A |
| Output Current, Light-Overload Use (I_{LD}) | 42.8 A |
| Output Current, Normal Use (I_n) | 45 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 18.5 kW |
| Output Power, Light-Overload Use (P_{LD}) | 22 kW |
| Output Power, Normal Use (P_n) | 22 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 191 W | 0.6 % | 89.6 % |
| 0 / 50 % | 248 W | 0.8 % | 92.8 % |
| 0 / 100 % | 438 W | 1.4 % | 93.6 % |
| 50 / 25 % | 203 W | 0.7 % | 94.4 % |
| 50 / 50 % | 272 W | 0.9 % | 96.1 % |
| 50 / 100 % | 495 W | 1.6 % | 96.4 % |
| 90 / 50 % | 306 W | 1.0 % | 97.5 % |
| 90 / 100 % | 570 W | 1.8 % | 97.7 % |

Additional Information

Product NameFREQUENCY CONVERTER

Classifications

UNSPSC39122001

Environmental

WEEE Category5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS380 - Machinery Drive

