



 PRODUCT-DETAILS

ACS480-04-03A7-1

LV AC general purpose drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V (ACS480-04-03A7-1)

General Information

Global Commercial Alias	ACS480-04-03A7-1
Product ID	3AXD50000246144
ABB Type Designation	ACS480-04-03A7-1
EAN	6438177534358
Catalog Description	LV AC general purpose drive module, IEC: Pn 0.55 kW, 3.7 A, 230 V (ACS480-04-03A7-1)
Long Description	The ACS480 is a ready-made and capable package for many applications, such as compressors, fan and conveyors, in a variety of light industries, including food and beverage, logistics and warehousing, water and wastewater, and agriculture. It has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance. It's a great fit for variable torque and basic speed applications, where you can leverage a compact, cabinet-optimized design for a cost-effective and efficient solution.

Ordering

Customs Tariff Number	85044085
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
Invoice Description	ACS480-04-03A7-1 PN: 0.55 kW, IN: 3.7 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	1.7 kg 3.748 lb
Product Net Depth / Length	208 mm 8.189 in
Product Net Height	223 mm 8.780 in
Product Net Width	73 mm

Package Level 1 Depth / Length	2.874 in 279 mm 10.984 in
Package Level 1 Height	264 mm 10.394 in
Package Level 1 Width	144 mm 5.669 in
Package Level 1 Units	1 carton

Technical

Number of Phases	1-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R0
Input Voltage (U_{in})	200 ... 240 V
Mounting Type	Module
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	Control unit PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Normal Use (I_n)	3.7 A
Output Current, Light-Overload Use (I_{LD})	3.5 A
Output Current, Heavy-Duty Use (I_{HD})	2.4 A
Output Power, Normal Use (P_n)	0.55 kW
Output Power, Light-Overload Use (P_{LD})	0.55 kW
Output Power, Heavy-Duty Use (P_{HD})	0.37 kW
Apparent Power Output	49 W 1.5 kV-A
Efficiency Level	IE2
Standby Loss	9 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	23 W	77.4 %	1.5 %
0/50 %	26 W	85.1 %	1.8 %
0/100 %	34 W	89.1 %	2.3 %
50/25 %	24 W	87.0 %	1.7 %
50/50 %	30 W	91.4 %	2.0 %
50/100 %	41 W	93.5 %	2.8 %
90/50 %	34 W	94.3 %	2.3 %
90/100 %	49 W	95.5 %	3.3 %

Temperature Rating

Maximum 50 °C

Certificates and Declarations

Declaration of Conformity - CE	3AXD10000594967
REACH Date	20250320
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230315
RoHS Declaration	3AXD10000594967
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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External Classifications and Standards

ETIM 9	EC001857 - Frequency converter =< 1 kV
ETIM 10	EC001857 - Frequency converter =< 1 kV

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS480-04 - Drive module
 Drives → Services → Spares and Consumables → Parts