



 PRODUCT-DETAILS

ACS150-03E-04A1-4

LV AC micro drive, IEC: Pn 1.5 kW, 4.1 A
(ACS150-03E-04A1-4)



General Information

Global Commercial Alias	ACS150-03E-04A1-4
Product ID	68581788
ABB Type Designation	ACS150-03E-04A1-4
EAN	6410038079468
Catalog Description	LV AC micro drive, IEC: Pn 1.5 kW, 4.1 A (ACS150-03E-04A1-4)
Long Description	The ACS150 drives are designed to be incorporated into a wide variety of machines such as mixers, conveyors, fans or pumps. The ACS150 drives have an integrated user panel, potentiometer and a variety of features such as pre-defined connection macros, making drive selection and configuration easy. With an optional FlashDrop tool these drives can be configured quickly in volume.

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	ACS150-03E-04A1-4 Pn 1,5kW, I2n 4,1A IP20

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	1.3 kg
Product Net Depth / Length	142 mm
Product Net Height	239 mm
Product Net Width	70 mm
Package Level 1 Depth / Length	350 mm
Package Level 1 Height	130 mm
Package Level 1 Width	220 mm
Package Level 1 Units	1 carton

Certificates and Declarations

Declaration of Conformity - CE	3AXD10000499279
REACH Date	20250320
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20230303
RoHS Information	3AXD10000499279
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Technical

Number of Phases	3-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Multiple Battery Information	No battery / cell included
Frequency (f)	50/60 Hz
Frame Size	R1
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module for cabinet building
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 0 Serial TTY 0 USB 0 Parallel 0 Other 1
Includes	With control unit Without optical interface With PC connection
Analog Inputs	1
Analog Outputs	0
Number of Digital	5/0

In/Outputs

Output Current, Normal	4.1 A
Use (I_n)	
Output Current, Light-Overload Use (I_{LD})	4.1 A
Output Power, Normal	1.5 kW
Use (P_n)	
Output Power, Light-Overload Use (P_{LD})	1.5 kW
	56 W
Apparent Power Output	2.8 kV·A
Efficiency Level	IE2
Standby Loss	11 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	32 W	1.1 %	82.6 %
0 / 50 %	36 W	1.3 %	89.0 %
0 / 100 %	46 W	1.6 %	92.1 %
50 / 25 %	33 W	1.2 %	90.5 %
50 / 50 %	38 W	1.3 %	94.1 %
50 / 100 %	51 W	1.8 %	95.7 %
90 / 50 %	41 W	1.4 %	96.4 %
90 / 100 %	56 W	2.0 %	97.3 %

Temperature Rating	Maximum 40 °C
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External Classifications and Standards

UNSPSC	39122001
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Environmental

SCIP	9bafda2d-8835-4ef6-a271-ddf6ea692d36 Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Micro Drives → ACS150 - Micro Drive

