



PRODUCT-DETAILS

ACS580-01-273A-2

ACS580-01-273A-2 PN: 75 kW, IN: 276 A

General Information

Global Commercial Alias	ACS580-01-273A-2
Product ID	3AXD50000215386
ABB Type Designation	ACS580-01-273A-2
Catalog Description	ACS580-01-273A-2 PN: 75 kW, IN: 276 A

Additional Information

ABB EcoSolutions	Yes
ABB Type Designation	ACS580-01-273A-2
Altitude	1000 m
Analog Inputs	2
Analog Outputs	2
Apparent Power Output	109 kV·A
Circular Design Principles Lifetime	3AXD10001912952
Circular Design Principles Recyclability Rate	90 %
CN8	85044084
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	772 W	88.5 %	0.7 %
0/50 %	1105 W	91.1 %	1.0 %
0/100 %	2122 W	91.4 %	2.0 %
50/25 %	849 W	93.6 %	0.8 %
50/50 %	1259 W	94.9 %	1.2 %
50/100 %	2554 W	94.8 %	2.3 %
90/50 %	1558 W	96.5 %	1.4 %
90/100 %	3518 W	96.0 %	3.2 %

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Degree of Protection	acc. to IEC 60529 IP21
Efficiency Level	IE2
Enclosure Type NEMA	Type1
End of Life Instructions	3AXD50000153893
Environmental Conditions	Pollution Degree acc. to IEC 61800-5-1 2 Solid Particle Tolerance acc. to IEC 60721-3-3 3S2
Environmental Product Declaration - EPD	3AXD10001912952
Four Quadrant Operation	No
Frame Size	R8
Frequency (f)	47 ... 63 Hz
Global Commercial Alias	ACS580-01-273A-2
Gross Volume	113.774 dm³
Gross Weight	83 kg 182.984 lb
Improved Resource Efficiency for Customers	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line Process Efficiency - Product contribute to making customer's operations more resilient and reliable Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset
Integrated Breaking Resistance	No
Intended Field of Application	Domestic Industrial
Invoice Description	ACS580-01-273A-2 PN: 75 kW, IN: 276 A
Made To Order	Yes
Maximum Output Frequency	500 Hz
Medium Description	ACS580-01-273A-2 PN: 75 kW, IN: 276 A
Minimum Order Quantity	1 piece
Minimum Output Frequency	0 Hz
Module Function	LV AC general purpose wall-mounted drive
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Number of Digital In/Outputs	6 / 3
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1

Number of Phases	3
Offered with Extended Lifetime	Lifetime extension of customer's assets is made possible thanks to offering and the supporting services
	95
Order Multiple	1 piece
Output Current, Heavy-Duty Use (I_{HD})	211 A
Output Current, Heavy-Duty Use (UL)	211 A
Output Current, Light-Overload Use (I_{LD})	273 A
Output Current, Light-Overload Use (UL)	273 A
Output Current, Normal Use (I_n)	276 A
Output Current, Normal Use (UL)	273 A
Output Power, Heavy-Duty Use (P_{HD})	55 kW
Output Power, Light-Overload Use (P_{LD})	75 kW
Output Power, Normal Use (P_n)	75 kW
Output Voltage (U_{out})	0 ... 240 V
Output Voltage Maximum	240 V
Package Level 1 Depth / Length	1145 mm
Package Level 1 Gross Weight	14 kg
Package Level 1 Height	630.00 mm 24.803 in
Package Level 1 Width	485.00 mm 19.094 in
Package Level 2 Depth / Length	0 in
Package Level 2 Gross Weight	0 lb
Package Level 2 Height	0 in
Package Level 2 Width	0 in
Product Main Type	ACS580-01
Product Name	Frequency converter
Product Net Depth / Length	393 mm 15.472 in
Product Net Height	965 mm 37.992 in
Product Net Weight	69 kg 152.119 lb
Product Net Width	300 mm 11.811 in
Product Type	ACS580-01
Quote Only	No
Rated Input Voltage (UL)	230 V
Selling Unit of Measure	piece

Short Description	ACS580-01-273A-2 PN: 75 kW, IN: 276 A
Sound dB (A)	65 dB(A)
Standby Loss	26 W
Stocked At (Warehouses)	Singapore, Singapore Beijing, China Singapore, Singapore Tokyo, Japan Australia, Australia
Sustainable Material Content	Recycled Metal - 34 %
Sustainable Material Content in Packaging	90 %
Symmetric Tolerance (% tol)	Relative Net Voltage 10 %
Temperature Rating	Maximum 40 °C Minimum -15 °C
Type of Converter	U Converter
WEEE B2C / B2B	Business To Business
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)