

ABB micro drives

ACS150, 0.37 to 4 kW

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ACS150 frame
sizes: R0, R1, R2

What is it?

The ACS150 drive is a component that is brought together with other components and includes, as standard, all necessary functions and interfaces for typical applications with AC induction motors. This makes the product selection very easy.

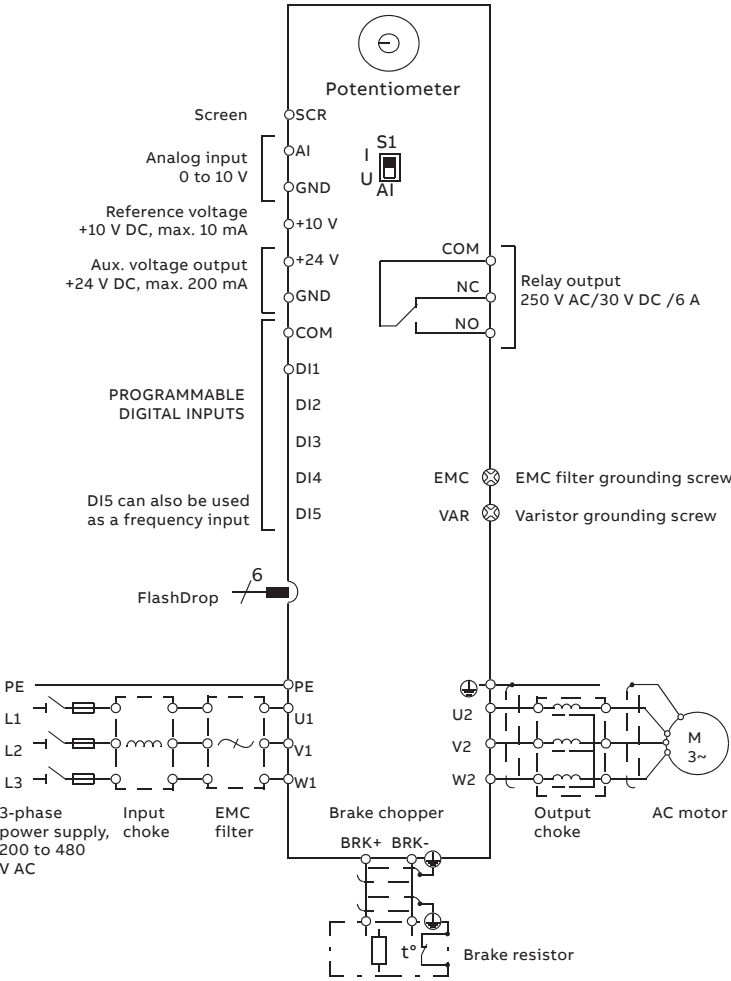
The ACS150 drive meets the requirements of new drive users, installers, machine builders and panel builders.



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Feature	Advantage	Benefit
User-friendly LCD control panel	Clear alphanumeric display Easy setup and use	Time savings
Flexible mounting alternatives	Screw or DIN rail mounting, sideways or side-by-side	One drive type can be used in various designs, saving installation costs and time
Integrated EMC filter	High electromagnetic compatibility	Low EMC emissions in selected environments
Built-in brake chopper as standard	No need for an external brake chopper	Space savings, reduced installation cost
Embedded potentiometer	Easy to adjust output frequency	Time savings
PID control	Simple integration to process control	Cost savings as a result of less cabling
FlashDrop tool	FlashDrop is a hand held tool that is used to quickly and easily set drive parameters. FlashDrop tool uploads drive parameters directly to unpowered drives. The tool can copy parameters from one drive to another or between a PC and a drive.	Time savings, especially with multiple drives

Inputs and outputs
The figure shows the ACS150 factory-set standard inputs and outputs. All inputs and outputs are freely programmable.



Dimensions and weights

Frame size	IP20/UL open				NEMA 1			
	H (mm)	W (mm)	D (mm)	Weight (kg)	H (mm)	W (mm)	D (mm)	Weight (kg)
R0	239	70	142	1.1	280	70	142	1.5
R1	239	70	142	1.3	280	70	142	1.7
R2	239	105	142	1.5	282	105	142	1.9



Types and voltages

Rated values *)		ABB ordering code Enclosure IP20	Electrical code/ reference code	ABB type code/ order code for IP20 units	Frame size	Price (Eur)
P_{motor} (kW)	I_{motor} (A)					
1-phase AC supply, 200 to 240 V						
0.37	2.4	68581940		ACS150-01E-02A4-2	R0	
0.75	4.7	68581966		ACS150-01E-04A7-2	R1	
1.1	6.7	68581974		ACS150-01E-06A7-2	R1	
1.5	7.5	68581982		ACS150-01E-07A5-2	R2	
2.2	9.8	68581991		ACS150-01E-09A8-2	R2	
3-phase AC supply, 200 to 240 V						
0.37	2.4	68582008		ACS150-03E-02A4-2	R0	
0.55	3.5	68582016		ACS150-03E-03A5-2	R0	
0.75	4.7	68582024		ACS150-03E-04A7-2	R1	
1.1	6.7	68582032		ACS150-03E-06A7-2	R1	
1.5	7.5	68582041		ACS150-03E-07A5-2	R1	
2.2	9.8	68582059		ACS150-03E-09A8-2	R2	
3-phase AC supply, 380 to 480 V						
0.37	1.2	68581737		ACS150-03E-01A2-4	R0	
0.55	1.9	68581745		ACS150-03E-01A9-4	R0	
0.75	2.4	68581753		ACS150-03E-02A4-4	R1	
1.1	3.3	68581761		ACS150-03E-03A3-4	R1	
1.5	4.1	68581788		ACS150-03E-04A1-4	R1	
2.2	5.6	68581796		ACS150-03E-05A6-4	R1	
3	7.3	68581800		ACS150-03E-07A3-4	R1	
4	8.8	68581818		ACS150-03E-08A8-4	R1	

*) The rated power and current values are valid for both pump and fan applications and heavy load applications.
Examples of typical heavy load applications include most extruders and compressors.

For more technical information see ACS150 catalog (3AFE68596114 EN) or ABB product guide (3AFE68401771 EN)