

Technical data and types

Ratings			Type code	Frame size	IP20 UL open			
P_N kW	P_N hp	I_{2N} A			H2 mm	W mm	D mm	Weight kg
1-phase supply voltage 200 to 240 V units								
0.37	0.5	2.4	ACS355-01X-02A4-2	R0	202	70	161	1.1
0.75	1	4.7	ACS355-01X-04A7-2	R1	202	70	161	1.3
1.1	1.5	6.7	ACS355-01X-06A7-2	R1	202	70	161	1.3
1.5	2	7.5	ACS355-01X-07A5-2	R2	202	105	165	1.5
2.2	3	9.8	ACS355-01X-09A8-2	R2	202	105	165	1.5
3-phase supply voltage 200 to 240 V units								
0.37	0.5	2.4	ACS355-03X-02A4-2	R0	202	70	161	1.1
0.55	0.75	3.5	ACS355-03X-03A5-2	R0	202	70	161	1.1
0.75	1	4.7	ACS355-03X-04A7-2	R1	202	70	161	1.3
1.1	1.5	6.7	ACS355-03X-06A7-2	R1	202	70	161	1.3
1.5	2	7.5	ACS355-03X-07A5-2	R1	202	70	161	1.3
2.2	3	9.8	ACS355-03X-09A8-2	R2	202	105	165	1.5
3	4	13.3	ACS355-03X-13A3-2	R2	202	105	165	1.5
4	5	17.6	ACS355-03X-17A6-2	R2	202	105	165	1.5
5.5	7.5	24.4	ACS355-03X-24A4-2	R3	202	169	169	2.5
7.5	10	31	ACS355-03X-31A0-2	R4	202	260	169	4.4
11	15	46.2	ACS355-03X-46A2-2	R4	202	260	169	4.4
3-phase supply voltage 380 to 480 V units								
0.37	0.5	1.2	ACS355-03X-01A2-4	R0	202	70	161	1.1
0.55	0.75	1.9	ACS355-03X-01A9-4	R0	202	70	161	1.1
0.75	1	2.4	ACS355-03X-02A4-4	R1	202	70	161	1.3
1.1	1.5	3.3	ACS355-03X-03A3-4	R1	202	70	161	1.3
1.5	2	4.1	ACS355-03X-04A1-4	R1	202	70	161	1.3
2.2	3	5.6	ACS355-03X-05A6-4	R1	202	70	161	1.3
3	4	7.3	ACS355-03X-07A3-4	R1	202	70	161	1.3
4	5	8.8	ACS355-03X-08A8-4	R1	202	70	161	1.3
5.5	7.5	12.5	ACS355-03X-12A5-4	R3	202	169	169	2.5
7.5	10	15.6	ACS355-03X-15A6-4	R3	202	169	169	2.5
11	15	23.1	ACS355-03X-23A1-4	R3	202	169	169	2.5
15	20	31	ACS355-03X-31A0-4	R4	202	260	169	4.4
18.5	25	38	ACS355-03X-38A0-4	R4	202	260	169	4.4
22	30	44	ACS355-03X-44A0-4	R4	202	260	169	4.4

Ratings			Type code	Frame size	IP66/IP67/UL Type 4X			
P_N kW	P_N hp	I_{2N} A			H mm	W mm	D mm	Weight kg
3-phase supply voltage 200 to 240 V units								
0.37	0.5	2.4	ACS355-03X-02A4-2 + B063	R1	305	195	281	7.7
0.55	0.75	3.5	ACS355-03X-03A5-2 + B063	R1	305	195	281	7.7
0.75	1	4.7	ACS355-03X-04A7-2 + B063	R1	305	195	281	7.7
1.1	1.5	6.7	ACS355-03X-06A7-2 + B063	R1	305	195	281	7.7
1.5	2	7.5	ACS355-03X-07A5-2 + B063	R1	305	195	281	7.7
2.2	3	9.8	ACS355-03X-09A8-2 + B063	R3	436	246	277	13
3	4	13.3	ACS355-03X-13A3-2 + B063	R3	436	246	277	13
4	5	17.6	ACS355-03X-17A6-2 + B063	R3	436	246	277	13
3-phase supply voltage 380 to 480 V units								
0.37	0.5	1.2	ACS355-03X-01A2-4 + B063	R1	305	195	281	7.7
0.55	0.75	1.9	ACS355-03X-01A9-4 + B063	R1	305	195	281	7.7
0.75	1	2.4	ACS355-03X-02A4-4 + B063	R1	305	195	281	7.7
1.1	1.5	3.3	ACS355-03X-03A3-4 + B063	R1	305	195	281	7.7
1.5	2	4.1	ACS355-03X-04A1-4 + B063	R1	305	195	281	7.7
2.2	3	5.6	ACS355-03X-05A6-4 + B063	R1	305	195	281	7.7
3	4	7.3	ACS355-03X-07A3-4 + B063	R1	305	195	281	7.7
4	5	8.8	ACS355-03X-08A8-4 + B063	R1	305	195	281	7.7
5.5	7.5	12.5	ACS355-03X-12A5-4 + B063	R3	436	246	277	13
7.5	10	15.6	ACS355-03X-15A6-4 + B063	R3	436	246	277	13

X within the type code stands for E or U.

E = EMC filter connected. U = EMC filter disconnected.

H2 = Height with fastenings but without clamping plate.

H = Height, W = Width, D = Depth

B063 = IP66/IP67/UL Type 4X enclosure

Mains connection

Voltage and power connection	1-phase, 200 to 240 V $\pm 10\%$: 0.37 to 2.2 kW (0.5 to 3 hp) 3-phase, 200 to 240 V $\pm 10\%$: 0.37 to 11 kW (0.5 to 15 hp) 3-phase, 380 to 480 V $\pm 10\%$: 0.37 to 22 kW (0.5 to 10 hp)
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Frequency 48 to 63 Hz

Motor connection

Voltage 3-phase, from 0 to U_{SUPPLY}

Frequency 0 to 600 Hz

Overload capacity $1.5 \times I_{2N}$ for 1 minute every 10 minutes
At start $1.8 \times I_{2N}$ for 2 seconds

Switching frequency 4 (default) to 16 kHz with 4 kHz steps

Parameter-enabled noise cancellation function

Programmable control connections

Two analog inputs, signal selectable

Voltage signal +10 V, 0 (2) to 10 V

Current signal ± 20 mA, 0 (4) to 20 mA

One analog output 0 (4) to 20 mA

Five digital inputs 12 to 24 V, PNP and NPN, programmable DI5 0 to 16 kHz pulse train

One relay output NO + NC, 250 V AC/2 A, 30 V DC/0.5 A

One digital output Transistor output, 30 V DC/100 mA, programmable 10 Hz to 16 kHz pulse train

Accuracy 24 V DC $\pm 10\%$, max. 200 mA

Environmental limits

Ambient temperature -10 to 40 °C (14 to 104 °F), no frost allowed
50 °C (122 °F) with 10 % derating

Relative humidity Lower than 95% (without condensation)

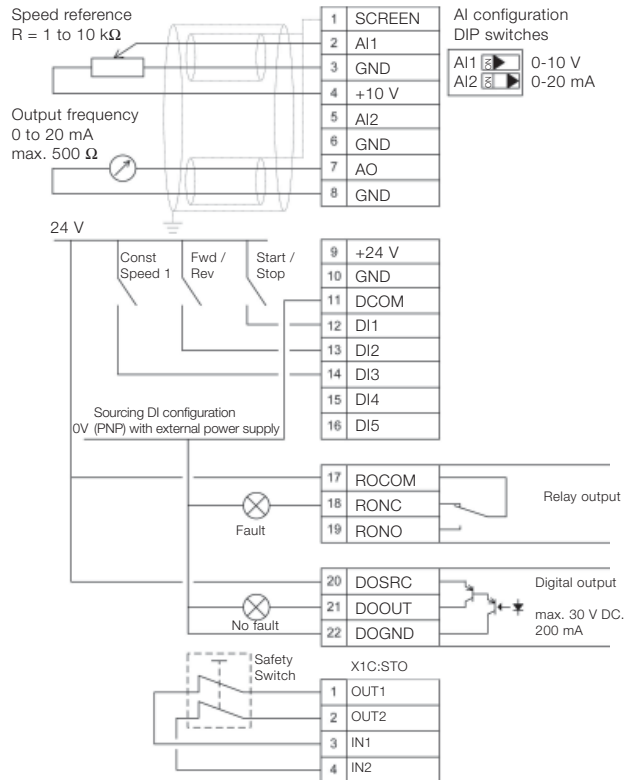


Figure 1. Inputs and outputs configuration based on ABB standard macro and external digital input supply voltage.

For more information please contact:

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