ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *ABB ACS355-01E-02A4-2* at our website: *Click HERE*

ABB machinery drives
ACS355, 0.5 to 30 hp/0.37 to 22 kW

The ABB machinery drives are designed to be fast drives to install, parameter-set and commission. Thus saving hours of engineering work. They are highly compact and cost effective and equipped with cutting-edge intelligence and an innovative safety capability. The drives are designed specifically to meet the production and performance needs of system integrators, original equipment manufacturers (OEMs) and panel builders, as well as the requirements of end users in a broad range of applications.



Highlights
- Worldwide availability and service
- Exceptionally compact drives and uniform design
- Quick commissioning with application macros and panel assistants
- Safe torque off function (SIL 3) as standard
- Sensorless vector control
- Built-in brake chopper
- High protection class variants for demanding environments
- Permanent magnet and induction motor control
- Torque memory for lifting applications
- Common DC bus
- 600 Hz maximum output frequency
- Sequence programming for controlling state machines without a PLC

Saving time in installation and commissioning
The drive's compact and uniform dimensions facilitate multiple drive solutions and cabinet installations. Different mounting options enable flexible installation in restricted spaces.

With the FlashDrop tool the drive can be preconfigured in seconds without powering the drive. The drive's application macros and assistants enable fast and easy commissioning.

Saving cost with cutting-edge intelligence and flexibity
Up to eight preset sequences of operations can be created in minutes with the drive's PC tool to reduce the need for external PLC components. Versatile fieldbus connectivity to most PLCs on the market is also available. The drive includes Safe torque-off function as standard helping machine builders to fulfill the latest machinery directives.

Additional features include Speed Compensated Stop. This makes the drive ideal for material handling applications that require precision stopping that is independent of variations in process speed. For demanding environments high protection class variants are available in IP66/IP67/UL Type 4X classes that are NSF certified.

Application specific firmware variants available:
- High speed spindle
- Enhanced sequence programming
- Solar pump drive
- Low ambient start

Power and voltage range
- 1-phase, 200 to 240 V ± 10% 0.37 to 2.2 kW (0.5 to 3 hp)
- 3-phase, 200 to 240 V ± 10% 0.37 to 11 kW (0.5 to 15 hp)
- 3-phase, 380 to 480 V ± 10% 0.37 to 22 kW (0.5 to 30 hp)

Options
- Auxiliary I/O modules
  - MTAC pulse encoder interface
  - MREL module for additional relays
  - MPOW for external auxiliary power supply
- Fieldbus connection via optional modules
  - PROFIBUS DP
  - CANopen®
  - DeviceNet™
  - Modbus
  - Ethernet
  - Profinet
  - EtherCAT®
  - LonWorks®
- FlashDrop tool for fast pre-configuration without powering the drive
- DriveWindow Light PC tool for easy parameter setting and graphical sequence programming
- External EMC filters for category C2 compatibility
- Input chokes for IEC 61000-3-12 compatibility

Power and productivity for a better world™

Technical data and types

IP20 UL open

Ratings			Type designation	Frame size	IP20 UL open			
P_N hp	P_N kW	I_{2N} A			H2 in	W in	D in	Weight lb
1-phase AC supply. 200 to 240 V								
0.5	0.37	2.4	ACS355-01U-02A4-2	R0	8.0	2.8	6.3	2.4
1	0.75	4.7	ACS355-01U-04A7-2	R1	8.0	2.8	6.3	2.9
1.5	1.1	6.7	ACS355-01U-06A7-2	R1	8.0	2.8	6.3	2.9
2	1.5	7.5	ACS355-01U-07A5-2	R2	8.0	4.1	6.5	3.3
3	2.2	9.8	ACS355-01U-09A8-2	R2	8.0	4.1	6.5	3.3
3-phase AC supply. 200 to 240 V								
0.5	0.37	2.4	ACS355-03U-02A4-2	R0	8.0	2.8	6.3	2.4
0.75	0.55	3.5	ACS355-03U-03A5-2	R0	8.0	2.8	6.3	2.4
1	0.75	4.7	ACS355-03U-04A7-2	R1	8.0	2.8	6.3	2.9
1.5	1.1	6.7	ACS355-03U-06A7-2	R1	8.0	2.8	6.3	2.9
2	1.5	7.5	ACS355-03U-07A5-2	R1	8.0	2.8	6.3	2.9
3	2.2	9.8	ACS355-03U-09A8-2	R2	8.0	4.1	6.5	3.3
5	4	17.6	ACS355-03U-17A6-2	R2	8.0	4.1	6.5	3.3
7.5	5.5	24.4	ACS355-03U-24A4-2	R3	8.0	6.7	6.7	5.5
10	7.5	31	ACS355-03U-31A0-2	R4	8.0	10.2	6.7	9.7
15	11	46.2	ACS355-03U-46A2-2	R4	8.0	10.2	6.7	9.7
3-phase AC supply. 380 to 480 V								
0.5	0.37	1.2	ACS355-03U-01A2-4	R0	8.0	2.8	6.3	2.4
0.75	0.55	1.9	ACS355-03U-01A9-4	R0	8.0	2.8	6.3	2.4
1	0.75	2.4	ACS355-03U-02A4-4	R1	8.0	2.8	6.3	2.9
1.5	1.1	3.3	ACS355-03U-03A3-4	R1	8.0	2.8	6.3	2.9
2	1.5	4.1	ACS355-03U-04A1-4	R1	8.0	2.8	6.3	2.9
3	2.2	5.6	ACS355-03U-05A6-4	R1	8.0	2.8	6.3	2.9
5	4	8.8	ACS355-03U-08A8-4	R1	8.0	2.8	6.3	2.9
7.5	5.5	12.5	ACS355-03U-12A5-4	R3	8.0	6.7	6.7	5.5
10	7.5	15.6	ACS355-03U-15A6-4	R3	8.0	6.7	6.7	5.5
15	11	23.1	ACS355-03U-23A1-4	R3	8.0	6.7	6.7	5.5
20	15	31	ACS355-03U-31A0-4	R4	8.0	10.2	6.7	9.7
25	18.5	38	ACS355-03U-38A0-4	R4	8.0	10.2	6.7	9.7
30	22	44	ACS355-03U-44A0-4	R4	8.0	10.2	6.7	9.7

IP66/UL Type 4X

Ratings			Type designation	Frame size	IP66//UL Type 4X			
P_N hp	P_N kW	I_{2N} A			H in	W in	D in	Weight lb
1-phase AC supply. 200 to 240 V								
0.5	0.37	3.5	ACS355-03U-06A7-2 + B063	R1	12.0	7.7	11.1	17.0
1	0.75	4.9	ACS355-03U-09A8-2 + B063	R3	17.2	9.7	10.9	17.0
2	1.5	10.2	ACS355-03U-17A6-2 + B063	R3	17.2	9.7	10.9	17.0
3-phase AC supply. 200 to 240 V								
0.5	0.37	2.4	ACS355-03U-02A4-2 + B063	R1	12.0	7.7	11.1	17.0
0.75	0.55	3.5	ACS355-03U-03A5-2 + B063	R1	12.0	7.7	11.1	17.0
1	0.75	4.7	ACS355-03U-04A7-2 + B063	R1	12.0	7.7	11.1	17.0
1.5	1.1	6.7	ACS355-03U-06A7-2 + B063	R1	12.0	7.7	11.1	17.0
2	1.5	7.5	ACS355-03U-07A5-2 + B063	R1	12.0	7.7	11.1	17.0
3	2.2	9.8	ACS355-03U-09A8-2 + B063	R3	17.2	9.7	10.9	28.7
5	4	17.6	ACS355-03U-17A6-2 + B063	R3	17.2	9.7	10.9	28.7
3-phase AC supply. 380 to 480 V								
0.5	0.37	1.2	ACS355-03U-01A2-4 + B063	R1	12.0	7.7	11.1	17.0
0.75	0.55	1.9	ACS355-03U-01A9-4 + B063	R1	12.0	7.7	11.1	17.0
1	0.75	2.4	ACS355-03U-02A4-4 + B063	R1	12.0	7.7	11.1	17.0
1.5	1.1	3.3	ACS355-03U-03A3-4 + B063	R1	12.0	7.7	11.1	17.0
2	1.5	4.1	ACS355-03U-04A1-4 + B063	R1	12.0	7.7	11.1	17.0
3	2.2	5.6	ACS355-03U-05A6-4 + B063	R1	12.0	7.7	11.1	17.0
5	4	8.8	ACS355-03U-08A8-4 + B063	R1	12.0	7.7	11.1	17.0
7.5	5.5	12.5	ACS355-03U-12A5-4 + B063	R3	17.2	9.7	10.9	28.7
10	7.5	15.6	ACS355-03U-15A6-4 + B063	R3	17.2	9.7	10.9	28.7

H2 = Height with fastenings but without clamping plate.
H = Height, W = Width, D = Depth
B063 = IP66/IP67/UL Type 4X enclosure
F278 = Optional disconnect switch for IP66/UL Type 4X

Mains connection	
Voltage and power connection	1-phase, 200 to 240 V ±10%: 0.5 to 3 hp (0.37 to 2.2 kW) 3-phase, 200 to 240 V ±10%: 0.5 to 15 hp (0.37 to 11 kW) 3-phase, 380 to 480 V ±10%: 0.5 to 10 hp (0.37 to 22 kW)
Frequency	48 to 63 Hz
Motor connection	
Voltage	3-phase, from 0 to U_{SUPPLY}
Frequency	0 to 599 Hz
Overload capacity	1.5 x I_{2N} for 1 minute every 10 minutes At start 1.8 x I_{2N} for 2 seconds
Switching frequency	4 (default) to16 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 ±10%, max. 200 mA
Environmental limits	
Ambient temperature	14 to 104 °F (-10 to 40 °C), no frost allowed 122 °F (50 °C) with 10% derating
Relative humidity	Lower than 95% (without condensation)

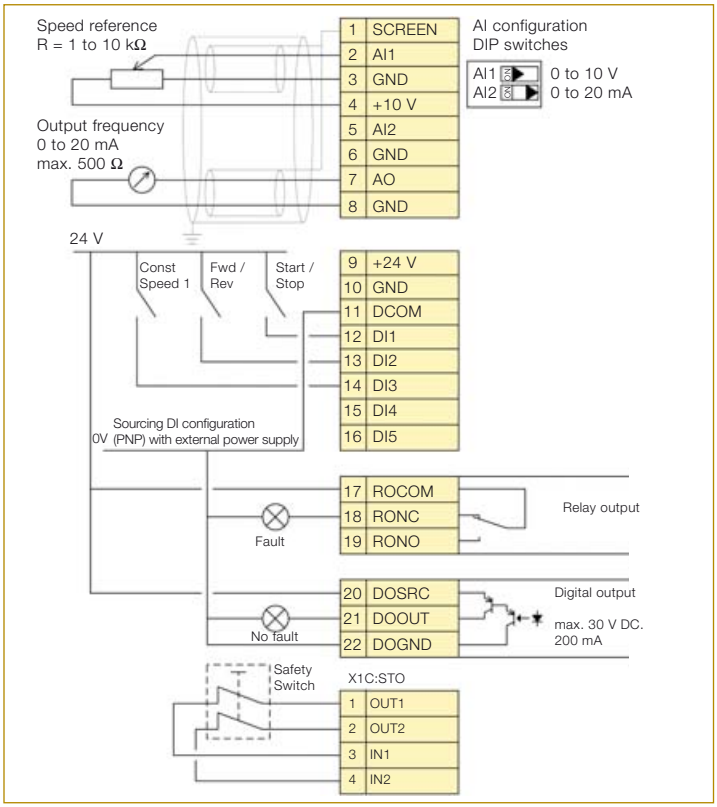


Figure 1. Inputs and outputs configuration based on ABB standard macro and external digital input supply voltage.

For more information please contact your local ABB representative or visit:

www.abb.com/drives

© Copyright 2016 ABB. All rights reserved. Specifications subject to change without notice.

Power and productivity for a better world™

3AUA0000159922 REV C US 17.8.2016

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP