## Product data sheet Characteristics

## ATV71HD55M3X variable speed drive ATV71 - 55kW-75HP -240V - w/o EMC filter-graphic terminal

Product availability: Non-Stock - Not normally stocked in distribution facility





Main	
Range of product	Altivar 71
Product or component type	Variable speed drive
Product specific applica- tion	Complex, high-power machines
Component name	ATV71
Motor power kW	55 kWat 200240 V 3 phases
Motor power hp	75 hpat 200240 V 3 phases
Motor cable length	<= 328.08 ft (100 m) Shielded cable <= 656.17 ft (200 m) Unshielded cable
Power supply voltage	200240 V (- 1510 %)
Phase	3 phases
Line current	173 Afor 240 V 3 phases 55 kW / 75 hp 200 Afor 200 V 3 phases 55 kW / 75 hp
EMC filter	Without EMC filter
Assembly style	With heat sink
Variant	Reinforced version
Apparent power	71.9 kVAat 240 V 3 phases 55 kW / 75 hp
Prospective line Isc	35 kA, 3 phases
Nominal output current	221 Aat 2.5 kHz 230 V 3 phases 55 kW / 75 hp
Maximum transient cur- rent	332 Afor 60 s 3 phases 55 kW / 75 hp 365 Afor 2 s 3 phases 55 kW / 75 hp
Output frequency	0.1500 Hz
Nominal switching fre- quency	2.5 kHz
Switching frequency	2.58 kHz adjustable 2.58 kHz with derating factor
Asynchronous motor control profile	ENA (Energy adaptation) system for unbalanced loads Flux vector control (FVC) with sensor (current vec- tor) Sensorless flux vector control (SFVC) (voltage or current vector) Voltage/frequency ratio (2 or 5 points)
Type of polarization	No impedance Modbus

#### Complementary

Product destination	Asynchronous motors
	Synchronous motors
Power supply voltage limits	170264 V
Power supply frequency	5060 Hz (- 55 %)
Power supply frequency limits	47.563 Hz
Speed range	1100 asynchronous motor in open-loop mode, without speed feedback 150 synchronous motor in open-loop mode, without speed feedback 11000 asynchronous motor in closed-loop mode with encoder feedback
Speed accuracy	+/- 0.01 % of nominal speed 0.2 Tn to Tn torque variation in closed-loop mode with encoder feedback +/- 10 % of nominal slip 0.2 Tn to Tn torque variation without speed feedback
Torque accuracy	+/- 15 % in open-loop mode, without speed feedback +/- 5 % in closed-loop mode with encoder feedback
Transient overtorque	220 % of nominal motor torque +/- 10 %for 2 s 170 % of nominal motor torque +/- 10 %for 60 s every 10 minutes



Braking torque	<= 150 % with braking or hoist resistor 30 % without braking resistor
Synchronous motor control profile	Vector control without speed feedback
Regulation loop	Adjustable PI regulator
Motor slip compensation	Adjustable Suppressable Automatic whatever the load Not available in voltage/frequency ratio (2 or 5 points)
Diagnostic	1 LED red presence of drive voltage
Output voltage	<= power supply voltage
Insulation	Electrical between power and control
Type of cable for mounting in an enclosure	With a NEMA Type1 kit: 3-strand UL 508 cableat 104 °F (40 °C), copper 75 °C PVC
	With an IP21 or an IP31 kit: 3-strand IEC cableat 104 °F (40 °C), copper 70 °C PVC
	Without mounting kit: 1-strand IEC cableat 113 °F (45 °C), copper 70 °C PVC Without mounting kit: 1-strand IEC cableat 113 °F (45 °C), copper 90 °C XLPE/ EPR
Electrical connection	AI1-/AI1+, AI2, AO1, R1A, R1B, R1C, R2A, R2B, LI1LI6, PWR terminal 2.5 mm² / AWG 14
	L1/R, L2/S, L3/T, U/T1, V/T2, W/T3 terminal 2 x 100 mm <sup>2</sup> PA, PB terminal 60 mm <sup>2</sup> PC/-, PO, PA/+ terminal 2 x 100 mm <sup>2</sup>
Tightening torque	L1/R, L2/S, L3/T, U/T1, V/T2, W/T3 212.39 lbf.in (24 N.m) / 212 lb.in PA, PB 106.19 lbf.in (12 N.m) / 106 lb.in PC/-, PO, PA/+ 362.83 lbf.in (41 N.m) / 360 lb.in Al1-/Al1+, Al2, AO1, R1A, R1B, R1C, R2A, R2B, L11LI6, PWR 5.31 lbf.in (0.6 N.m)
Supply	Internal supply for reference potentiometer (1 to 10 kOhm), 10.5 V DC +/- 5 %, <= 10 mAfor overload and short-circuit protection Internal supply, 24 V DC, voltage limits 2127 V, <= 200 mAfor overload and short-circuit protection
Analogue input number	2
Analogue input type	<ul> <li>AI1-/AI1+ bipolar differential voltage +/- 10 V DC, input voltage 24 V max, resolution 11 bits + sign</li> <li>AI2 software-configurable current 020 mA, impedance 242 Ohm, resolution 11 bits</li> <li>AI2 software-configurable voltage 010 V DC, input voltage 24 V max, impedance 30000 Ohm, resolution 11 bits</li> </ul>
Input sampling time	Al1-/Al1+ 2 ms, +/- 0.5 ms analog input(s) Al2 2 ms, +/- 0.5 ms analog input(s) Ll1Ll5 2 ms, +/- 0.5 ms discrete input(s) Ll6 (if configured as logic input) 2 ms, +/- 0.5 ms discrete input(s)
Response time	<= 100 ms in STO (Safe Torque Off) AO1 2 ms, tolerance +/- 0.5 ms analog output(s) R1A, R1B, R1C 7 ms, tolerance +/- 0.5 ms discrete output(s) R2A, R2B 7 ms, tolerance +/- 0.5 ms discrete output(s)
Absolute accuracy precision	Al1-/Al1+ +/- 0.6 % for a temperature variation 60 °C Al2 +/- 0.6 % for a temperature variation 60 °C AO1 +/- 1 % for a temperature variation 60 °C
Linearity error	Al1-/Al1+, Al2 +/- 0.15 % of maximum value AO1 +/- 0.2 %
Analogue output number	1
Analogue output type	AO1 software-configurable logic output 10 V 20 mA AO1 software-configurable current 020 mA, impedance 500 Ohm, resolution 10 bits AO1 software-configurable voltage 010 V DC, impedance 470 Ohm, resolution 10 bits
Discrete output number	2
Discrete output type	R1A, R1B, R1C configurable relay logic NO/NC, electrical durability 100000 cy- cles R2A, R2B configurable relay logic NO, electrical durability 100000 cycles
Minimum switching current	R2A, R2B configurable relay logic NO, electrical durability 100000 cycles Configurable relay logic 3 mAat 24 V DC
Maximum switching current	R1, R2 on resistive load, 5 Aat 250 V AC, cos phi = 1,
	R1, R2 on resistive load, 5 Aat 30 V DC, cos phi = 1,
	R1, R2 on inductive load, 2 Aat 250 V AC, cos phi = 0.4, R1, R2 on inductive load, 2 Aat 30 V DC, cos phi = 0.4,

Discrete input type	LI6: switch-configurable 24 V DC with level 1 PLC, impedance: 3500 Ohm PWR: safety input 24 V DC, impedance: 1500 Ohm conforming to ISO 13849-1 level d				
	LI1LI5: programmable 24 V DC with level 1 PLC, impedance: 3500 Ohm LI6: switch-configurable PTC probe 06, impedance: 1500 Ohm				
Discrete input logic	LI1LI5 positive logic (source), < 5 V (state 0), > 11 V (state 0)				
	LI1LI5 negative logic (sink), > 16 V (state 0), < 10 V (state 0)				
	Ll6 (if configured as logic input) positive logic (source), < 5 V (state 0), > 11 V (state 0)				
	LI6 (if configured as logic input) negative logic (sink), > 16 V (state 0), < 10 V (state 0)				
Acceleration and deceleration ramps	S, U or customized				
	Linear adjustable separately from 0.01 to 9000 s				
	Automatic adaptation of ramp if braking capacity exceeded, by using resistor				
Braking to standstill	By DC injection				
Protection type	Drive against exceeding limit speed				
	Drive against input phase loss Drive break on the control circuit				
	Drive input phase breaks				
	Drive line supply overvoltage				
	Drive line supply undervoltage				
	Drive overcurrent between output phases and earth Drive overheating protection				
	Drive overneating protection Drive overvoltages on the DC bus				
	Drive short-circuit between motor phases				
	Drive thermal protection				
	Motor motor phase break				
	Motor power removal Motor thermal protection				
Insulation resistance	> 1 mOhm at 500 V DC for 1 minute to earth				
Frequency resolution	Analog input 0.024/50 Hz Display unit 0.1 Hz				
Communication port protocol	Modbus CANopen				
Connector type	1 RJ45 Modbus on front face				
	1 RJ45 Modbus on terminal Male SUB-D 9 on RJ45 CANopen				
Physical interface	2-wire RS 485 Modbus				
Transmission frame	RTU Modbus				
Transmission rate	20 kbps, 50 kbps, 125 kbps, 250 kbps, 500 kbps, 1 Mbps CANopen 4800 bps, 9600 bps, 19200 bps, 38.4 Kbps Modbus on terminal 9600 bps, 19200 bps Modbus on front face				
Data format	8 bits, 1 stop, even parity Modbus on front face 8 bits, odd even or no configurable parity Modbus on terminal				
Number of addresses	1247 Modbus				
	1127 CANopen				
Method of access	Slave CANopen				
Marking	CE				
Operating position	Vertical +/- 10 degree				
Height	36.22 in (920 mm)				
Depth	14.84 in (377 mm)				
Width	12.6 in (320 mm)				
Product weight	220.46 lb(US) (100 kg)				
Option card	CC-Link communication card				
Option card	Controller inside programmable card				
	DeviceNet communication card				
	Ethernet/IP communication card				
	Fipio communication card				
	I/O extension card				
	Interbus-S communication card Interface card for encoder				
	Interbus-S communication card				
	Interbus-S communication card Interface card for encoder Modbus Plus communication card Modbus TCP communication card				
	Interbus-S communication card Interface card for encoder Modbus Plus communication card Modbus TCP communication card Modbus/Uni-Telway communication card				
	Interbus-S communication card Interface card for encoder Modbus Plus communication card Modbus TCP communication card				

Environment	
Noise level	60.5 dB conforming to 86/188/EEC
Dielectric strength	2830 V DC between earth and power terminals 4230 V DC between control and power terminals
Electromagnetic compatibility	Conducted radio-frequency immunity test conforming to IEC 61000-4-6 level 3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 level 4 Electrostatic discharge immunity test conforming to IEC 61000-4-2 level 3 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 level 3 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 1.2/50 µs - 8/20 µs surge immunity test conforming to IEC 61000-4-5 level 3
Standards	IEC 60721-3-3 class 3C2 UL Type 1
Product certifications	C-Tick NOM 117 CSA GOST UL
Pollution degree	2 conforming to EN/IEC 61800-5-1 3 conforming to UL 840
IP degree of protection	IP00 conforming to EN/IEC 60529 IP00 conforming to EN/IEC 61800-5-1 IP30 on side parts conforming to EN/IEC 60529 IP30 on side parts conforming to EN/IEC 61800-5-1 IP30 on the front panel conforming to EN/IEC 60529 IP30 on the front panel conforming to EN/IEC 61800-5-1 IP41 on upper part conforming to EN/IEC 60529 IP41 on upper part conforming to EN/IEC 61800-5-1 IP54 on lower part conforming to EN/IEC 60529 IP54 on lower part conforming to EN/IEC 61800-5-1
Vibration resistance	1.5 mm peak to peak (f = 310 Hz) conforming to EN/IEC 60068-2-6 0.6 gn (f = 10200 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	7 gn 11 ms conforming to EN/IEC 60068-2-27
Relative humidity	595 % without condensation conforming to IEC 60068-2-3 595 % without dripping water conforming to IEC 60068-2-3
Ambient air temperature for operation	14122 °F (-1050 °C) without derating
Ambient air temperature for storage	-13158 °F (-2570 °C)
Operating altitude	<= 3280.84 ft (1000 m) without derating 3280.849842.52 ft (10003000 m) with current derating 1 % per 100 m

## Ordering and shipping details

Category	22132 - ATV71 - 60 THRU 150HP DRIVES		
Discount Schedule	CP4C		
GTIN	00785901650553		
Nbr. of units in pkg.	1		
Package weight(Lbs)	220		
Returnability	Ν		
Country of origin	CN		

## Offer Sustainability

Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 0946 - Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
Product environmental profile	Available Contraction	
Product end of life instructions	Need no specific recycling operations	
California proposition 65	WARNING: This product can expose you to chemicals including:	
Substance 1	Lead and lead compounds, which is known to the State of California to cause can- cer and birth defects or other reproductive harm.	
Substance 2	Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.	
More information	For more information go to www.p65warnings.ca.gov	

Contractual warranty

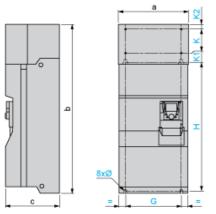
Warranty period

18 months

## ATV71HD55M3X

### UL Type 1/IP 20 Drives

### Dimensions with or without 1 Option Card (1)



#### Dimensions in mm

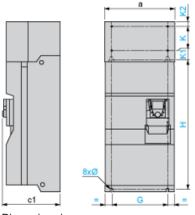
а	b	С	G	Н	К	K1	К2	Ø
320	920	377	250	650	150	75	30	11.5

#### Dimensions in in.

а	b	С	G	Н	к	K1	K2	Ø
12.60	36.22	14.84	9.84	25.59	5.90	2.95	1.18	0.45

(1) Option cards: I/O extension cards, communication cards or "Controller Inside" programmable card.

### Dimensions with 2 Option Cards (1)



#### Dimensions in mm

а	c1	G	Н	К	K1	K2	Ø
320	392	250	650	150	75	30	11.5

#### Dimensions in in.

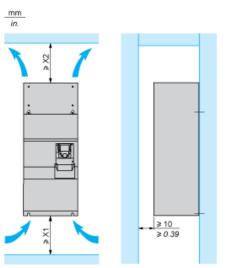
а	c1	G	Н	К	K1	K2	Ø
12.60	15.43	9.84	25.59	5.90	2.95	1.18	0.45

(1) Option cards: I/O extension cards, communication cards or "Controller Inside" programmable card.

## ATV71HD55M3X

### Mounting Recommendations

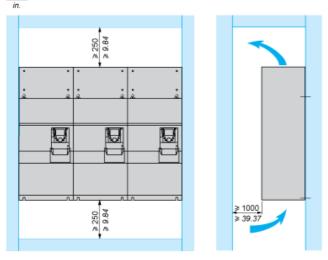
#### Clearance



X1 in mm	X2 in mm	X1 in in.	X2 in in.
100	100	3.94	3.94

These drives can be mounted side by side, observing the following mounting recommendations:

mm

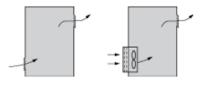


Specific Recommendations for Mounting the Drive in an Enclosure

#### Ventilation

To ensure proper air circulation in the drive:

- Fit ventilation grilles.
- Ensure that there is sufficient ventilation. If there is not, install a forced ventilation unit with a filter. The openings and/or fans must provide a flow rate at least equal to that of the drive fans (refer to the product characteristics).



- Use special filters with IP 54 protection.
- Remove the blanking cover from the top of the drive.

### Dust and Damp Proof Metal Enclosure (IP 54)

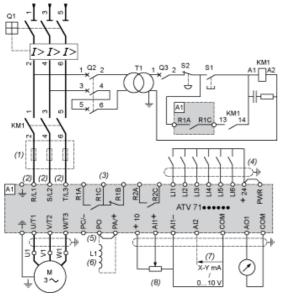
The drive must be mounted in a dust and damp proof enclosure in certain environmental conditions: dust, corrosive gases, high humidity with risk of condensation and dripping water, splashing liquid, etc.

This enables the drive to be used in an enclosure where the maximum internal temperature reaches 50°C.

# ATV71HD55M3X

Wiring Diagram Conforming to Standards EN 954-1 Category 1, IEC/EN 61508 Capacity SIL1, in Stopping Category 0 According to IEC/EN 60204-1

#### Three-Phase Power Supply with Upstream Breaking via Contactor

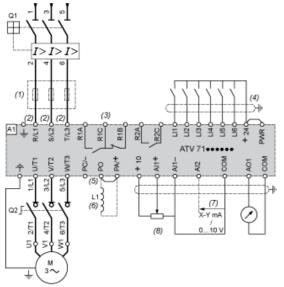


- A1 ATV71 drive
- KM1 Contactor
- L1 DC choke
- Q1 Circuit-breaker
- Q2 GV2 L rated at twice the nominal primary current of T1
- Q3 GB2CB05
- S1, XB4 B or XB5 A pushbuttons
- S2
- T1 100 VA transformer 220 V secondary
- (1) Line choke (three-phase); mandatory for ATV71HC11Y...HC63Y drives (except when a special transformer is used (12-pulse)).
- (2) For ATV71HC40N4 drives combined with a 400 kW motor, ATV71HC50N4 and ATV71HC40Y...HC63Y, refer to the power terminal connections diagram.
- (3) Fault relay contacts. Used for remote signalling of the drive status.
- (4) Connection of the common for the logic inputs depends on the positioning of the SW1 switch. The above diagram shows the internal power supply switched to the "source" position (for other connection types, refer to the user guide).
- (5) There is no PO terminal on ATV71HC11Y...HC63Y drives.
- (6) Optional DC choke for ATV71H•••M3, ATV71HD11M3X...HD45M3X, ATV71•075N4...•D75N4 and ATV71P•••N4Z drives. Connected in place of the strap between the PO and PA/+ terminals. For ATV71HD55M3X, HD75M3X, ATV71HD90N4...HC50N4 drives, the choke is supplied with the drive; the customer is responsible for connecting it.
- (7) Software-configurable current (0...20 mA) or voltage (0...10 V) analog input.
- (8) Reference potentiometer.

All terminals are located at the bottom of the drive. Fit interference suppressors on all inductive circuits near the drive or connected on the same circuit, such as relays, contactors, solenoid valves, fluorescent lighting, etc.

Wiring Diagram Conforming to Standards EN 954-1 Category 1, IEC/EN 61508 Capacity SIL1, in Stopping Category 0 According to IEC/EN 60204-1

#### Three-Phase Power Supply with Downstream Breaking via Switch Disconnector

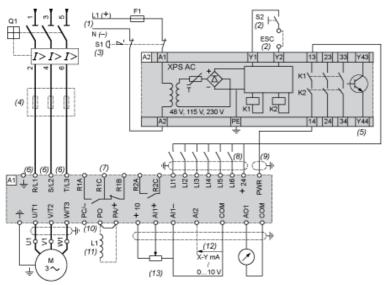


- A1 ATV71 drive
- L1 DC choke
- Q1 Circuit-breaker
- Q2 Switch disconnector (Vario)
- (1) Line choke (three-phase), mandatory for ATV71HC11Y...HC63Y drives (except when a special transformer is used (12-pulse)).
- (2) For ATV71HC40N4 drives combined with a 400 kW motor, ATV71HC50N4 and ATV71HC40Y...HC63Y, refer to the power terminal connections diagram.
- (3) Fault relay contacts. Used for remote signalling of the drive status.
- (4) Connection of the common for the logic inputs depends on the positioning of the SW1 switch. The above diagram shows the internal power supply switched to the "source" position (for other connection types, refer to the user guide).
- (5) There is no PO terminal on ATV71HC11Y...HC63Y drives.
- (6) Optional DC choke for ATV71H•••M3, ATV71HD11M3X...HD45M3X, ATV71•075N4...•D75N4 and ATV71P•••N4Z drives. Connected in place of the strap between the PO and PA/+ terminals. For ATV71HD55M3X, HD75M3X, ATV71HD90N4...HC50N4 drives, the choke is supplied with the drive; the customer is responsible for connecting it.
- (7) Software-configurable current (0...20 mA) or voltage (0...10 V) analog input.
- (8) Reference potentiometer.

All terminals are located at the bottom of the drive. Fit interference suppressors on all inductive circuits near the drive or connected on the same circuit, such as relays, contactors, solenoid valves, fluorescent lighting, etc.

Wiring Diagram Conforming to Standards EN 954-1 Category 3, IEC/EN 61508 Capacity SIL2, in Stopping Category 0 According to IEC/EN 60204-1

#### Three-Phase Power Supply, Low Inertia Machine, Vertical Movement



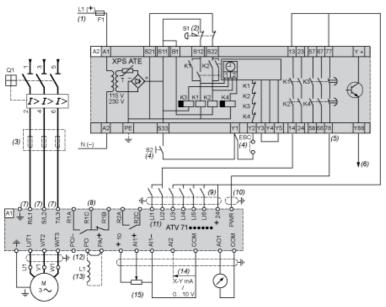
#### A1 ATV71 drive

- A2 Preventa XPS AC safety module for monitoring emergency stops and switches. One safety module can manage the "Power Removal" function for several drives on the same machine. In this case, each drive must connect its PWR terminal to its + 24 V via the safety contacts on the XPS AC module. These contacts are independent for each drive.
- F1 Fuse
- L1 DC choke
- Q1 Circuit-breaker
- S1 Emergency stop button with 2 contacts
- S2 XB4 B or XB5 A pushbutton
- (1) Power supply: 24 Vdc or Vac, 48 Vac, 115 Vac, 230 Vac.
- (2) S2: resets XPS AC module on power-up or after an emergency stop. ESC can be used to set external starting conditions.
- (3) Requests freewheel stopping of the movement and activates the "Power Removal" safety function.
- (4) Line choke (three-phase), mandatory for and ATV71HC11Y...HC63Y drives (except when a special transformer is used (12-pulse)).
- (5) The logic output can be used to signal that the machine is in a safe stop state.
- (6) For ATV71HC40N4 drives combined with a 400 kW motor, ATV71HC50N4 and ATV71HC40Y...HC63Y, refer to the power terminal connections diagram.
- (7) Fault relay contacts. Used for remote signalling of the drive status.
- (8) Connection of the common for the logic inputs depends on the positioning of the SW1 switch. The above diagram shows the internal power supply switched to the "source" position (for other connection types, refer to the user guide).
- (9) Standardized coaxial cable, type RG174/U according to MIL-C17 or KX3B according to NF C 93-550, external diameter
- 2.54 mm /0.09 in., maximum length 15 m / 49.21 ft. The cable shielding must be earthed.(10) There is no PO terminal on ATV71HC11Y...HC63Y drives.
- (11) Optional DC choke for ATV71H•••M3, ATV71HD11M3X...HD45M3X, ATV71•075N4...•D75N4 and ATV71P•••N4Z drives. Connected in place of the strap between the PO and PA/+ terminals. For ATV71HD55M3X, HD75M3X, ATV71HD90N4...HC50N4 drives, the choke is supplied with the drive; the customer is responsible for connecting it.
- (12) Software-configurable current (0...20 mA) or voltage (0...10 V) analog input.
- (13) Reference potentiometer.

All terminals are located at the bottom of the drive. Fit interference suppressors on all inductive circuits near the drive or connected on the same circuit, such as relays, contactors, solenoid valves, fluorescent lighting, etc.

# Wiring Diagram Conforming to Standards EN 954-1 Category 3, IEC/EN 61508 Capacity SIL2, in Stopping Category 1 According to IEC/EN 60204-1

#### Three-Phase Power Supply, High Inertia Machine



#### A1 ATV71 drive

- A2 Preventa XPS ATE safety module for monitoring emergency stops and switches. One safety module can manage the "Power Removal"
- (5) safety function for several drives on the same machine. In this case the time delay must be adjusted on the drive controlling the motor that requires the longest stopping time. In addition, each drive must connect its PWR terminal to its + 24 V via the safety contacts on the XPS ATE module. These contacts are independent for each drive.
- F1 Fuse
- L1 DC choke
- Q1 Circuit-breaker
- S1 Emergency stop button with 2 N/C contacts
- S2 Run button
- (1) Power supply: 24 Vdc or Vac, 115 Vac, 230 Vac.
- (2) Requests controlled stopping of the movement and activates the "Power Removal" safety function.
- (3) Line choke (three-phase), mandatory for ATV71HC11Y...HC63Y drives (except when a special transformer is used (12-pulse)).
- (4) S2: resets XPS ATE module on power-up or after an emergency stop. ESC can be used to set external starting conditions.
- (5) For stopping times requiring more than 30 seconds in category 1, use a Preventa XPS AV safety module which can provide a maximum time delay of 300 seconds.
- (6) The logic output can be used to signal that the machine is in a safe state.
- (7) For ATV71HC40N4 drives combined with a 400 kW motor, ATV71HC50N4 and ATV71HC40Y...HC63Y, refer to the power terminal connections diagram.
- (8) Fault relay contacts. Used for remote signalling of the drive status.
- (9) Connection of the common for the logic inputs depends on the positioning of the SW1 switch. The above diagram shows the internal power supply switched to the "source" position (for other connection types, refer to the user guide).
- (10) Standardized coaxial cable, type RG174/U according to MIL-C17 or KX3B according to NF C 93-550, external diameter 2.54 mm/0.09 in., maximum length 15 m/49.21 ft. The cable shielding must be earthed.
- (11) Logic inputs L11 and L12 must be assigned to the direction of rotation: L11 in the forward direction and L12 in the reverse direction.
   (12) There is no PO terminal on ATV71HC11Y...HC63Y drives.
- (13) Optional DC choke for ATV71H•••M3, ATV71HD11M3X...HD45M3X, ATV71•075N4...•D75N4 and ATV71P•••N4Z drives. Connected in place of the strap between the PO and PA/+ terminals. For ATV71HD55M3X, HD75M3X, ATV71HD90N4...HC50N4 drives, the choke is supplied with the drive; the customer is responsible for connecting it.
- (14) Software-configurable current (0...20 mA) or voltage (0...10 V) analog input.
- (15) Reference potentiometer.

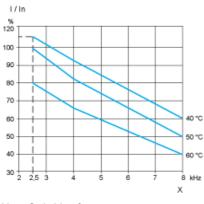
All terminals are located at the bottom of the drive. Fit interference suppressors on all inductive circuits near the drive or connected on the same circuit, such as relays, contactors, solenoid valves, fluorescent lighting, etc.

Product data sheet Performance Curves

# ATV71HD55M3X

## Derating Curves

The derating curves for the drive nominal current (In) depend on the temperature and the switching frequency. For intermediate temperatures (e.g. 55°C), interpolate between 2 curves.



X Switching frequency

# **Mouser Electronics**

Authorized Distributor

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Schneider Electric: ATV71HD55M3X