

CAT 100A 120/240V AUTOMATIC TRANSFER SWITCH

Features

ATC-300+ microprocessor-based controller	2 poles, 3 wires
Voltage and frequency sensing	High withstand and closing ratings
Multiple field programmable set points	Status display including switch position indication
Source availability indication	Source 1 and Source 2 auxiliary contacts
True RMS voltage and frequency sensing	Programmable plant exerciser
System test pushbutton	Mimic diagram
Double-throw, mechanically interlocked transfer mechanism	Switch position indication
Status display	Double-throw UL 1008 2-position contactors

Options

2 or 4-position test switch	Multi-meter options available
Delayed Transition and Closed Transition	Selectable automatic or non-automatic operation
Space heaters (recommended for use in NEMA 3R enclosures)	Surge suppression
Remote communications	Load shed from emergency
Controller availability: ATC-100, ATC-300+ and ATC-800	Field selectable, multi ratio, control voltage transformer 50/60Hz

Option Delayed Transition Includes

Time Delay Neutral	Pre-Transfer Signal with 1 N.O. and 1 N.C. contacts
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Ratings

Wall Mount 40-600A, 2 or 3 Pole	Floor Standing 600A 4 Pole and 800-1200A 2, 3, or 4 Pole
Two-position contactors 40-400A	Three-position contactors 40-1200A
Up to 600 Vac, 50/60Hz	100% rated
UL 1008 listed	CSA C22.2 No. 178 certified
IBC 2006, CBC 2007 and OSHPD	

Contact Composition

Caterpillar utilizes silver composition contacts designed to meet the stringent requirement of UL 1008. All contactors are designed so that the contacts can be visually inspected without major disassembly and are protected by arcing contacts.

Controls and Wiring

All control relays and industrial-grade relays are totally encapsulated to minimize exposure to dust and dirt. Lugs are 90 degrees Celsius rated and all control wire is #16 AWG, type XLPE with a 125 degrees Celsius temperature rating.

Enclosure

The ATS is housed in rugged steel NEMA 1, 3R, or 12 enclosure which is Seismic Zone 4 Qualified (BOCA, CBC, IBC, UBC). ATS enclosures have three door hinges to ensure proper support of the door and door mounted devices. The hinges have removable hinge pins to facilitate door removal for easy wall mounting or service and are supplied with pad-lockable latches.

Dimensions

Dimensions					Standard Terminals*		
Ampere Rating	Number of Poles	Height inches (mm)	Width inches (mm)	Depth inches (mm)	Load Side, Normal and Standby Source	Neutral Connection	Shipping Weight Lbs (kg)
40-100 @ 120-480V	2	38.68 (982.5)	18.31 (465.1)	13.34 (338.8)	(1) #14-2/0 kcmil	(1) #14-1/0 kcmil	156 (70.8)