# **Transfer Switches**

**Breaker-Based Designs** 

### **Standards and Certifications**

They are listed under Underwriters Laboratories UL 1008 Standard for transfer switch equipment and are optionally available as suitable for emergency and standby systems as defined in NFPA 99 for health care facilities.

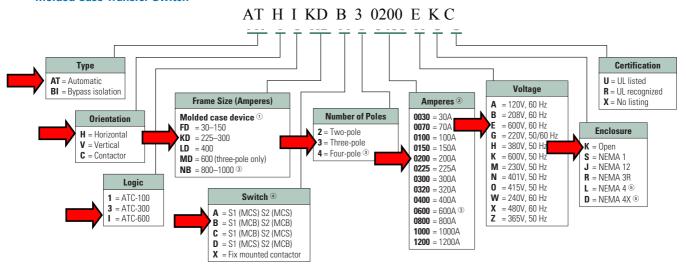
- UL 1008 listed
- CSA C22.2 No. 178 certified





#### **Catalog Number Selection**

### **Molded Case Transfer Switch**



#### Notes

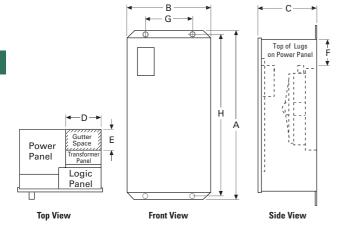
- ① HFD = 200 and 225A, HLD = 600A, HMD = 800A for 240/120 Vac single-phase, three-wire and 208Y/120 Vac three-phase, four-wire systems only.
- The contactor-based transfer switch is currently available in 100, 200, 320, 400 and 600A only. Contact the factory for availability on the 800, 1000 and 1200A switch.
- 3 Four-pole 600A will use an NB breaker.
- (4) MCB = Molded Case Breaker, MCS = Molded Case Switch.
- NEMA 4 and NEMA 4X requires an ATC-600 controller.

12

# **Dimensions**

Approximate Dimensions in Inches (mm)

# **Dimension Views**



# **Breaker-Based and Molded Case Transfer Switches**

Switch Rating Amperes		Enclosure			Gutter Space		Bolt Pattern		Standard Terminals ①			
	Switch Type	A Height	B Width	C Depth	D Width	E Depth	G Horizontal	H Vertical	Line Side (Normal Load and Standby Source) Connection		Neutral Connection	Weight Lbs (kg)
30–100	HFD ②	47.74 (1213.0)	20.81 (528.6)	17.22 (437.0)	8.00 (203.2)	4.00 (101.6)	10.75 (273.0)	46.44 (1180.0)	_	_	_	232 (105)
150-225	HFD ②	47.74 (1213.0)	20.81 (528.6)	17.22 (437.0)	8.00 (203.2)	4.00 (101.6)	10.75 (273.0)	46.44 (1180.0)	_	_	_	232 (105)
30–100	HFD <sup>③</sup>	47.74 (1213.0)	20.81 (528.6)	17.22 (437.0)	8.00 (203.2)	4.00 (101.6)	10.75 (273.0)	46.44 (1180.0)	_	_	_	240 (190)
150	HFD ③	47.74 (1213.0)	20.81 (528.6)	17.22 (437.0)	8.00 (203.2)	4.00 (101.6)	10.75 (273.0)	46.44 (1180.0)	_	_	_	240 (190)
150-225	HFD ②	35.61 (904.0)	20.06 (509.5)	13.34 (339.0)	8.00 (203.2)	4.00 (101.6)	10.75 (273.0)	34.31 (904.0)	_	_	_	150 (68)
150-225	HKD	56.00 (1422.4)	20.81 (528.6)	18.40 (467.4)	8.00 (203.2)	4.00 (101.6)	11.00 (279.4)	45.50 (1155.7)	_	_	_	305 (134)
300	HKD	53.00 (1346.2)	25.81 (655.6)	18.40 (467.4)	8.00 (203.2)	4.00 (101.6)	11.00 (279.4)	53.50 (1358.9)	_	_	_	295 (134)
400	HLD	53.00 (1346.0)	25.81 (655.6)	18.40 (467.4)	8.00 (203.2)	4.00 (101.6)	16.00 (406.4)	51.50 (1308.0)	_	_	_	425 (193)
600	HLD ②	64.00 (1625.6)	25.81 (655.6)	18.40 (467.4)	8.00 (203.2)	4.00 (101.6)	16.00 (406.4)	62.50 (1588.0)	_	_	_	475 (214)
600	HMDL	76.74 (1949.2)	25.81 (655.6)	19.50 (495.3)	8.00 (203.2)	4.00 (101.6)	16.00 (406.4)	75.15 (1908.8)	_	_	_	480 (218)
800	HMDL ②	76.74 (1949.2)	25.81 (655.6)	19.50 (495.3)	8.00 (203.2)	4.00 (101.6)	16.00 (406.4)	75.15 (1908.8)	_	_	_	510 (232)
800-1000	HNB	76.74 (1949.2)	25.81 (655.6)	19.50 (495.3)	8.00 (203.2)	4.00 (101.6)	16.00 (406.4)	75.15 (1908.8)	_	_	_	540 (245)

# Notes

- Suitable with copper only.
  240/120V, single-phase, three-wire or 208V, three-phase, four-wire systems only.
  With multi-tap voltage selection panel.

558

