



IHVA 150/200 HIGH-VOLTAGE DC CONTACTOR SERIES

TE Connectivity (TE) introduces the IHVA high-voltage DC contactor series which is designed for control in new energy applications. The IHVA product line is an innovative, cost-effective, and reliable solution for EV charging stations, automated-guided vehicles (AGV), e-Forklifts, solar inverters, and energy storage systems. The IHVA series is a non-gas filled contactor making it safe and reliable with less worry about the environment. These contactors are non-polarized and offer an optional auxiliary contact that can be used to monitor the power/main contact.

BENEFITS

- No polarity for ease of connecting in applications
- Safer and more reliable, with no worry about gas leakage
- High insulation distance, high dielectric strength
- Optional auxiliary contact to easily monitor the power/main contact
- 600A inrush current capability protects the circuit in abnormal situation

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APPLICATIONS

- DC charging
- Auto-guided vehicle
- e-Forklift
- Energy storage system
- High voltage converter
- Static var generator
- Low speed vehicle

MECHANICAL

- Bottom mounted by flanged cover
- Main contact terminals connection is threaded
- Auxiliary contact terminal/coil terminal is a FASTON terminal which be can be connected with a connector

STANDARD

- UL 60947

MATERIALS

- Ag alloy

ELECTRICAL

- 150A/200A, 110VDC, 6,000 cycles
- 150A/200A, 1500VDC, carry only
- 150A/200A, 450VDC, 100 cycles
- 150A/200A, 750VDC, 30 cycles
- 5A, 1500VDC, 500 cycles
- 20A, 1000VDC, 100 cycles
- 600A, make only, 3,000 cycles
- 2000A, 400VDC, break only, 2 cycles



PART NUMBER LIST - IHVA 150

Product code	Arrangement	Mounting position	Main contact material	Coil	Part number
IHVA150-A3D12V-BF	Normally open	Bottom	Ag alloy	12VDC	2071547-1
IHVA150-A3D24V-BF				24VDC	2071547-2
IHVA150-A3D48V-BF				48VDC	2071547-3
IHVA150-H3D12V-BF	Normally open + NO aux contacts			12VDC	1-2071547-1
IHVA150-H3D24V-BF				24VDC	1-2071547-2
IHVA150-H3D48V-BF				48VDC	1-2071547-3

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PART NUMBER LIST - IHVA 200

Product code	Arrangement	Mounting position	Main contact material	Coil	Part number
IHVA200-A3D12V-BF	Normally open	Bottom	Ag alloy	12VDC	2071499-1
IHVA200-A3D24V-BF				24VDC	2071499-2
IHVA200-A3D48V-BF				48VDC	2071499-3
IHVA200-H3D12V-BF	Normally open + NO aux contacts			12VDC	1-2071499-1
IHVA200-H3D24V-BF				24VDC	1-2071499-2
IHVA200-H3D48V-BF				48VDC	1-2071499-3

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