

High Voltage DC Contactors

Durakool's comprehensive collection of HVDC contactors cover the full range of voltages and currents from 10A to 1000A and from 450VDC to 1500VDC. Applications include, but are not limited to, pre-charge, discharge and main contactors for all types of electric vehicles, large and small. Other applications include energy storage and photovoltaic (solar) power systems. We constantly update and add new contactors to our range to meet evolving market requirements. Call our engineers to discuss your application in detail and for further advice on selecting the right contactor for your needs.



1000VDC Megawatt Contactor!

Designed for:

Electric Vehicles - Battery Management Systems, Regenerative Braking Systems, Stand-by Power Systems

Renewable Energy Systems - Solar Power plants, Wind Farms, Battery Energy Storage Systems (BESS)

Industrial Automation & Machinery - Power Distribution and Conversion Systems, Warehouse Automation

Charging Infrastructure - Battery Energy Storage Systems (BESS), EV Charging Stations, Photovoltaic Inverters

Agricultural Equipment - Motor Control, Stop/Start
Power Supply Systems - Power Distribution Units (PDU), Uninterruptible Power Supply (UPS), DC Converters



Hill Technical Sales

50 North Brockway Street / Suite
3-2, Palatine, IL 60067-5068
PH +1(847)255-4400
FAX +1(847)255-0192
sales@hilltech.com
www.hill-tech.com

durakool.com

sales@durakool.com



DURAKOOL®

HVDC Contactors





HVDC CONTACTORS

	Up to 1000VDC									
	DEVRO1	DEVRO3	DEVRO5	DEVRO10	DEVRO13	DEVRO20	DEVRO30	DEVRO40	DHVC150	DHVC200
										
Contact Configuration	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM
Rated Current	10A	30A	50A	100A	135A	200A	300A	400A	150A	200A
Max. Continuous Current (600s)	18A	38A	60A	180A	220A	280A	380A	540A	350A	500A
Max. Switching Current	300A @ 450VDC	300A @ 450VDC	300A @ 450VDC	1000A @ 450VDC	1000A @ 450VDC	2000A @ 450VDC	2000A @ 450VDC	2000A @ 450VDC	2000A @ 320VDC	2000A @ 320VDC
Max. Switching Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC	1000VDC
Coil Voltages	12 to 48VDC	12 to 48VDC	12 to 48VDC	12 to 48VDC	12 to 48VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	9 ~ 36VDC 32 ~ 95VDC	9 ~ 36, 32 ~ 95, 12 to 48VDC
Operating Temperature Range	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Auxiliary Switch (Optional)				✓	✓	✓	✓	✓	✓	✓
Coil Economiser						✓	✓	✓	✓	✓
Dimensions (approx.) mm varies	37.2 x 51.3 x 47.8	37.2 x 51.3 x 47.8	37.2 x 51.3 x 47.8	40.2 x 53.8 x 59.4	40.2 x 53.8 x 59.4	57.8 x 80.5 x 72.1	57.8 x 80.5 x 72.1	57.8 x 80.5 x 72.1	80.4 x 60.2 x 72.4	80.4 x 60.2 x 72.4
Weight (approx.) varies	120g	120g	120g	190g	190g	470g	470g	470g	450g	450g
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



HVDC CONTACTORS

	Up to 1000VDC				Up to 1500VDC					
	DHVC300	CHV40	CHV300	CHV800	CHV20	CHV400	CHV500	CHV600	CHV800P	CHV1000P
										
Contact Configuration	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM	SPST-NO-DM
Rated Current	300A	40A	300A	800A	20A	400A	500A	600A	800A	1000A
Max. Continuous Current (600s)	600A	90A	650A	1000A	45A	540A	680A	740A	880A	1150A
Max. Switching Current	2000A @ 320VDC	40A @ 1000VDC	2000A @ 750VDC	3000A @ 800VDC	20A @ 1500VDC	2000A @ 1000VDC	2000A @ 1000VDC	2000A @ 1000VDC	2000A @ 1000VDC	2000A @ 1000VDC
Max. Switching Voltage	1000VDC	1000VDC	1000VDC	1000VDC	1500VDC	1500VDC	1500VDC	1500VDC	1500VDC	1500VDC
Coil Voltages	9 ~ 36, 32 ~ 95, 12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC	12 to 24VDC
Operating Temperature Range	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Auxiliary Switch (Optional)	✓					Standard	Standard	Standard	Standard	Standard
Coil Economiser	✓			✓		✓	✓	✓	✓	✓
Dimensions (approx.) mm varies	80.4 x 60.2 x 72.4	68 x 33 x 47	84.5 x 42.5 x 73.6	145.2 x 66.6 x 132.8	78 x 40.5 x 48.2	104 x 70 x 108.1	104 x 70 x 108.1	104 x 70 x 108.1	104 x 70 x 108.1	104 x 70 x 108.1
Weight (approx.) varies	450g	138g	500g	1800g	160g	1100g	1100g	1100g	1100g	1100g
	✓			✓	✓	✓	✓	✓	✓	✓