DC Contactors for eMobility & Industrial Applications

Today's demanding commercial electric vehicles need robust power control and management.

Developed specifically for eMobility and industrial applications, our DC contactor relays are available with continuous current ratings up to 500A and maximum voltage ratings up to 1800V DC. Browse our expanding line of DC contactors and partner with Littelfuse on your next design.

Application Key Transportation including; truck, bus, material handling, construction and agriculture | Stationary including; telecom power supplies, UPS, industrial and alternative energy

Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
20	900	12	Bottom	No	Yes		DCNHR20PF12	A
							DCNHR20PF12-01	B
		24					DCNHR20PF24	A
							DCNHR20PF24-01	B
		48					DCNHR20PF48	A
							DCNHR20PF48-01	B
30	900	12	Bottom	No	Yes		DCNHR30PF12	A
							DCNHR30PF12-01	B
							DCNSEV30-B	C
		24					DCNHR30PF24	A
							DCNHR30PF24-01	B
							DCNSEV30-C	C
		48					DCNHR30PF48	A
							DCNHR30PF48-01	B
40	900	12	Bottom	No	Yes		DCNHR40PF12	A
							DCNHR40PF12-01	B
		24					DCNHR40PF24	A
							DCNHR40PF24-01	B
		48					DCNHR40PF48	A
							DCNHR40PF48-01	B

Product Images

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HIGH VOLTAGE DC CONTACTOR

Selector guide of our product offering

Application Key Transportation including; truck, bus, material handling, construction and agriculture | Stationary including; telecom power supplies, UPS, industrial and alternative energy

Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
50	60	12	Side	No	No	⚡	DCNLM50NB12	A
		24				⚡	DCNLM50NB24	
		48				⚡	DCNLM50NB48	
		60				⚡	DCNLM50NB60	
	900	12	Bottom	Yes	Yes	⚙ ⚡	DCNHR50QF12	B
				Yes	Yes	⚙ ⚡	DCNLEV50-BA	D
				Yes	No	⚙ ⚡	DCNLEV50-BAN	
				No	Yes	⚙ ⚡	DCNLEV50-B	E
				No	Yes	⚙ ⚡	DCNHR50PF12	C
				No	No	⚙ ⚡	DCNLEV50-BN	E
			Side	Yes	Yes	⚙ ⚡	DCNLEV50-BAS	F
				Yes	No	⚙ ⚡	DCNLEV50-BASN	
				No	Yes	⚙ ⚡	DCNLEV50-BS	G
				No	No	⚙ ⚡	DCNLEV50-BSN	
		24	Bottom	Yes	Yes	⚙ ⚡	DCNHR50QF24	B
				Yes	Yes	⚙ ⚡	DCNLEV50-CA	D
				Yes	No	⚙ ⚡	DCNLEV50-CAN	
				No	Yes	⚙ ⚡	DCNLEV50-C	E
				No	Yes	⚙ ⚡	DCNHR50PF24	C
				No	No	⚙ ⚡	DCNLEV50-CN	E
			Side	Yes	Yes	⚙ ⚡	DCNLEV50-CAS	F
				Yes	No	⚙ ⚡	DCNLEV50-CASN	
				No	Yes	⚙ ⚡	DCNLEV50-CS	G
				No	No	⚙ ⚡	DCNLEV50-CSN	
		48	Bottom	Yes	Yes	⚙ ⚡	DCNHR50QF48	B
				Yes	Yes	⚙ ⚡	DCNLEV50-EA	D
				Yes	No	⚙ ⚡	DCNLEV50-EAN	
				No	Yes	⚙ ⚡	DCNLEV50-E	E
				No	Yes	⚙ ⚡	DCNHR50PF48	C
				No	No	⚙ ⚡	DCNLEV50-EN	E
			Side	Yes	Yes	⚙ ⚡	DCNLEV50-EAS	F
				Yes	No	⚙ ⚡	DCNLEV50-EASN	
				No	Yes	⚙ ⚡	DCNLEV50-ES	G
					No	⚙ ⚡	DCNLEV50-ESN	

Product Images

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Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
100	60	12	Bottom	No	No	Transportation, Stationary	DCNLR100NB12	A
			Side			Stationary	DCNLM100NB12	B
						Stationary	DCNLM100NB12-01	C
		24	Bottom			Transportation, Stationary	DCNLR100NB24	A
			Side			Stationary	DCNLM100NB24	B
						Stationary	DCNLM100NB24-01	C
		48	Bottom			Transportation, Stationary	DCNLR100NB48	A
			Side			Stationary	DCNLM100NB48	B
						Stationary	DCNLM100NB48-01	C
						Stationary	DCNLB100NB48	D
	900	12	Bottom	Yes	Yes	Transportation, Stationary	DCNHR100QF12	E
						Transportation, Stationary	DCNLEV100-BA	F
					No	Transportation, Stationary	DCNLEV100-BAN	
				No	Yes	Transportation, Stationary	DCNHR100PF12	E
						Transportation, Stationary	DCNLEV100-B	G
					No	Transportation, Stationary	DCNLEV100-BN	
			Side	Yes	Yes	Transportation, Stationary	DCNLEV100-BAS	H
					No	Transportation, Stationary	DCNLEV100-BASN	
				No	Yes	Transportation, Stationary	DCNLEV100-BS	I
					No	Transportation, Stationary	DCNLEV100-BSN	
		24	Bottom	Yes	Yes	Transportation, Stationary	DCNHR100QF24	E
						Transportation, Stationary	DCNLEV100-CA	F
					No	Transportation, Stationary	DCNLEV100-CAN	
				No	Yes	Transportation, Stationary	DCNHR100PF24	E
						Transportation, Stationary	DCNLEV100-C	G
					No	Transportation, Stationary	DCNLEV100-CN	
			Side	Yes	Yes	Transportation, Stationary	DCNLEV100-CAS	H
					No	Transportation, Stationary	DCNLEV100-CASN	
				No	Yes	Transportation, Stationary	DCNLEV100-CS	I
					No	Transportation, Stationary	DCNLEV100-CSN	
		48	Bottom	Yes	Yes	Transportation, Stationary	DCNHR100QF48	E
						Transportation, Stationary	DCNLEV100-EA	F
					No	Transportation, Stationary	DCNLEV100-EAN	
				No	Yes	Transportation, Stationary	DCNHR100PF48	E
						Transportation, Stationary	DCNLEV100-E	G
					No	Transportation, Stationary	DCNLEV100-EN	
			Side	Yes	Yes	Transportation, Stationary	DCNLEV100-EAS	H
					No	Transportation, Stationary	DCNLEV100-EASN	
				No	Yes	Transportation, Stationary	DCNLEV100-ES	I
					No	Transportation, Stationary	DCNLEV100-ESN	

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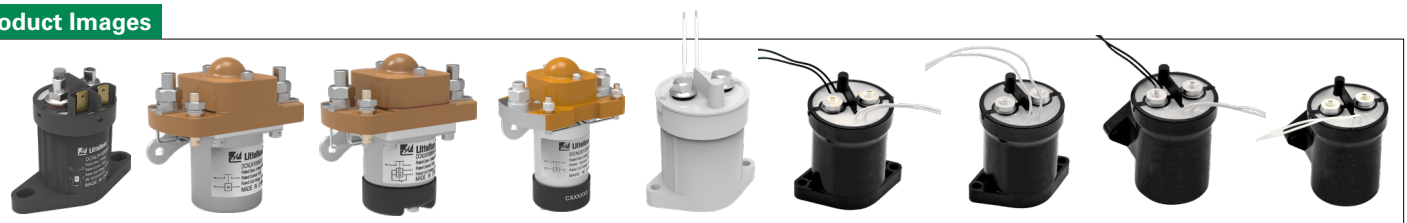

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Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
125	60	12	Side	No	No	Transportation, Stationary	DCNLJ125NB12	A
		24				Transportation, Stationary	DCNLJ125NB24	
		60				Transportation, Stationary	DCNLJ125NB60	
						Transportation, Stationary	DCNLH125NB60	
	110	12	Side	No	Yes	Transportation, Stationary	DCNLJ125PD12	
		24				Transportation, Stationary	DCNLJ125PD24	
		60				Transportation, Stationary	DCNLJ125PD60	
150	750	12	Bottom	No	Yes	Transportation, Stationary	DCNEVT150-B	B
			Side			Transportation, Stationary	DCNEVT150-BS	C
		24	Bottom			Transportation, Stationary	DCNEVT150-C	B
			Side			Transportation, Stationary	DCNEVT150-CS	C
	900	12 ~ 24	Bottom	Yes	Yes	Transportation, Stationary	DCNHR150QFA	D
					No	Transportation, Stationary	DCNHR150MFA	
						Transportation, Stationary	DCNEV150-MA	F
						Transportation, Stationary	DCNEV150-MAN	
				No	Yes	Transportation, Stationary	DCNEV150-M	G
						Transportation, Stationary	DCNEV150-MN	
						Transportation, Stationary	DCNHR150PFA	E
					No	Transportation, Stationary	DCNHR150NFA	
200	60	12	Bottom	No	No	Transportation, Stationary	DCNLR200NB12	H
			Side			Stationary	DCNLH200NB12	I
						Stationary	DCNLM200NB12	J
						Stationary	DCNLM200NB12-01	K
		24	Bottom			Transportation, Stationary	DCNLR200NB24	H
			Side			Stationary	DCNLB200NB24	L
						Stationary	DCNLH200NB24	I
						Transportation, Stationary	DCNLJ200NB24	
						Stationary	DCNLM200NB24	J
						Stationary	DCNLM200NB24-01	K
			Top			Stationary	DCNLM200NB24-02	
		48	Bottom			Transportation, Stationary	DCNLR200NB48	H
			Side			Stationary	DCNLB200NB48	L
						Stationary	DCNLB200NB48-01	
						Stationary	DCNLH200NB48	I
						Transportation, Stationary	DCNLJ200NB48	
						Stationary	DCNLM200NB48	J
						Stationary	DCNLM200NB48-01	K
		60	Bottom			Transportation, Stationary	DCNLR200NB60	H
			Side			Stationary	DCNLB200NB60	L
						Transportation, Stationary	DCNLJ200NB60	I
	110	12	Side	No	Yes	Stationary	DCNLH200PD12	
		24				Stationary	DCNLH200PD24	
						Transportation, Stationary	DCNLJ200PD24	
		60				Stationary	DCNLH200PD48	
	900	12 ~ 24	Bottom	Yes	Yes	Transportation, Stationary	DCNHR200QFA	D
					No	Transportation, Stationary	DCNHR200MFA	
				No	Yes	Transportation, Stationary	DCNHR200PFA	E
					No	Transportation, Stationary	DCNHR200NFA	

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Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
250	60	12	Side	No	No		DCNLJ250NB12-01	A
	110	12	Side	No	Yes		DCNLJ250PD12	B
	900	12 ~ 24	Bottom	Yes	Yes		DCNHR250QFA	C
							DCNEV250-MA	E
					No		DCNEV250-MAN	F
				No	Yes		DCNEV250-M	G
							DCNEV250-MB	
							DCNEV250-MP	
							DCNHR250PFA	D
					No		DCNEV250-MN	H
		48 ~ 72		Yes	Yes		DCNEV250-GA	C
					No		DCNEV250-GAN	F
							DCNHR250MFA	C
				No	Yes		DCNEV250-G	G
							DCNEV250-GB	
					No		DCNEV250-GN	H
							DCNHR250NFA	D
		72		Yes	Yes		DCNEV250-FA	E
					No		DCNEV250-FAN	F
				No	Yes		DCNEV250-F	G
							DCNEV250-FB	
					No		DCNEV250-FN	H
300	900	12 ~ 24	Bottom	Yes	Yes		DCNHR300QFA	I
					No		DCNHR300MFA	
				No	Yes		DCNHR300PFA	
					No		DCNHR300NFA	
350	1800	12	Bottom	Yes	Yes		DCNEVT350-BA	J
				No			DCNEVT350-B	K
		24		Yes			DCNEVT350-CA	J
				No			DCNEVT350-C	K

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Current (A)	Max Voltage (V)	Coil Voltage (V)	Mounting Type	Aux Contacts	Polarized	Applications	Part Number	Product Image
400	60	12	Side	No	No		DCNLM400NB12	A
		24					DCNLB400NB24	B
							DCNLM400NB24	A
							DCNLM400NB24-01	C
		48					DCNLB400NB48	B
							DCNLM400NB48	D
							DCNLM400NB48-01	C
	1800	12	Bottom	No	No		DCNEVT400-B	E
				Yes			DCNEVT400-BA	
		24		No			DCNEVT400-C	F
				Yes			DCNEVT400-CA	
500	1800	12	Bottom	No	Yes		DCNEVT500-B	G
				Yes			DCNEVT500-BA	
		24		No			DCNEVT500-C	
				Yes			DCNEVT500-CA	

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