MOELLER
SERIES

Safe switching of high currents

DILM & DILH contactors

EATON
Powering Business Worldwide

Safe switching of high currents – DILM & DILH contactors

With the DILM and DILH contactors from the Moeller series, Eaton offers the right contactor for every application, whether as a stand-alone device or as contactor combinations for use in distribution boards or switchgear. The devices stand out for their high level of contact reliability and their ability to withstand extreme environmental conditions.

The contactors are designed for the current range from 185 A to 3185 A. All DILM and DILH contactors are equipped with electronically controlled coil and thus offer low pick-up and holding power. Thanks to their compact size and long service life, Eaton's contactors make for a reliable component in any machine or system.

Approvals

- IEC
- CE
- CSA
- UL (listing)
- CCC
- Shipping classifications

Facts and figures

Thanks to their extensive approvals and certifications, all contactors of the DILM and DILH series are suitable for global use while also providing excellent performance at ambient temperatures from -40°C to +70°C. They are designed for rated operating voltages up to 1,000 V and come with four wide-range coils covering the operating voltage range from 24 V to 500 V AC/DC.

Various control options are available:

Via a separate, conventional PLC input or a separate low-power input. In the case of contactors with an electronic coil, overvoltage damping of the coil is already integrated.

All auxiliary contact modules feature positive-opening contacts to IEC/EN 60947-5-1 and mirror contacts to IEC/EN 60947-4-1.

The right solution for each market segment

Switchgear for the machine building industry

Depending on the market and industry, contactors are used in extreme operating conditions and various special applications, for example as tap changers for power transformers and as star-delta combinations in crane controls or climate control systems/chillers.

Eaton's contactors are both efficient and built to last. We offer the right solution for every application.

Switchgear for renewable power plants

The trend in the growing market for renewable power generation is towards greater energy efficiency, which can be achieved by increasing the operating voltage and current.

Eaton has developed a range of switchgear that meets the requirement for reliable on and off switching.

Switchgear for data centers

The UPS systems and data center market requires devices with low pick-up and holding power combined with low operating power loss. The operating voltage is usually between 24 V and 48 V DC.

Eaton contactors equipped with an RDC48 wide-range coil have a control voltage range from 16.8 to 55.2 V DC and come with a processor-controlled power drive. This ensures energy-efficient control as well as a low holding power of only a few watts.

DILM contactors Switch-on and switch-off capacity

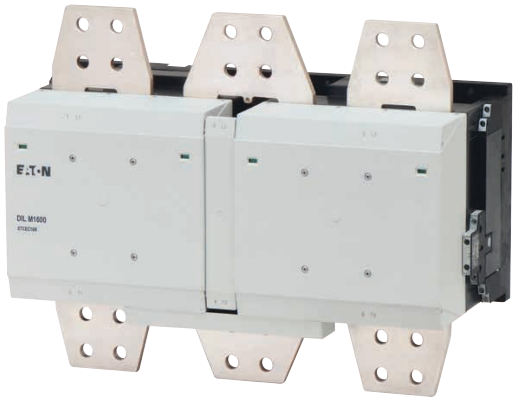
Eaton DILM contactors are suitable for operating voltages up to 1,000 V and make for a reliable component in any application thanks to their long electrical and mechanical life.

AC air contactors

DILM185A DILM225A	DILM250 DILM300A	DILM400 DILM500
AC-3 185 A - 225 A AC-1 337 A - 386 A	AC-3 250 A - 300 A AC-1 430 A - 490 A	AC-3 400 A - 500 A AC-1 612 A - 800 A

Our DILM vacuum contactors stand out for their high making and breaking capacity. They are particularly suitable for switching inductive loads as well as motors or pumps. Unlike air contactors, vacuum contactors do not require any gases for switching off and therefore save space during installation.

AC vacuum contactors



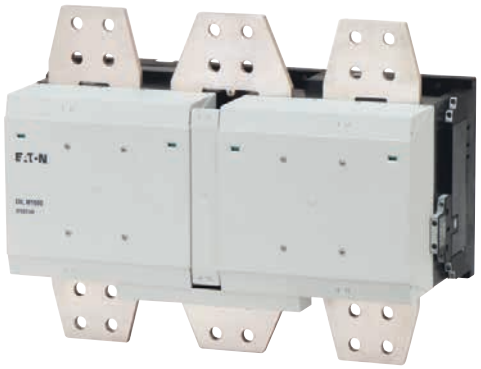
DILM580, DILM650, DILM750, DILM820	DILM1000	DILM1600
AC-3 580 A - 820 A AC-1 980 A - 1225 A	AC-3 1000 A AC-1 1225 A	AC-3 1600 A

DILH contactors tailored to the needs of your application

Our DILH contactors can be used for disconnecting networks, in inverter-controlled systems and for controlling inductive loads that are not switched on or off. They are also designed for switching loads such as heating or distribution systems and loads in accordance with utilization category AC-1 with a cos phi >0.8 as per IEC 60947-4-1.

AC air contactors

AC vacuum contactors



DILH600 **DILH800**	**DILH1200** **DILH1400**	**DILH2000** **DILH2200, DILH2600**
AC-1 850 A - 1050 A	**AC-1 1450 A - 1714 A**	**AC-1 2450 A - 3185 A**

DILDC contactors

Built to last, our DILDC contactors for DC applications will save you both time and money. They are designed for the current range from 300 A to 600 A. The DILDC devices are capable of a higher number of operations and thus have a longer life span compared to similar devices.

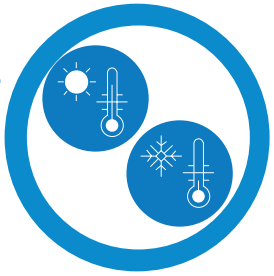
DC air contactors

DILDC300 / DILDC400	**DILDC500 / DILDC600**
DC-1 300 A - 400 A	**DC-1 500 A - 600 A**

Why it pays to use Eaton contactors

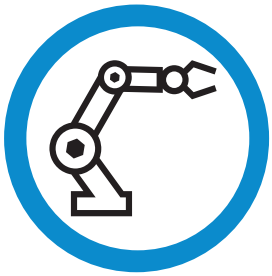
Our contactors can be used at...

...ambient temperatures of -40 °C to +70 °C



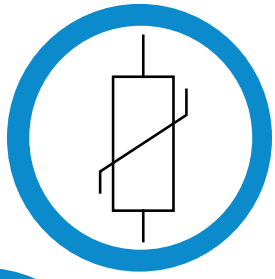
Bespoke solutions to meet your specific requirements...

...make us your reliable partner when it comes to the creation of customized application solutions



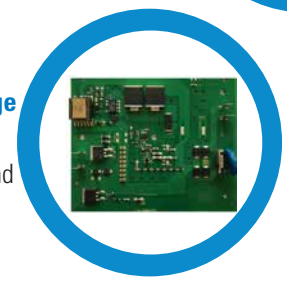
Vacuum contactors with external varistor suppressor circuit already on board...

...to safely switch off inductive loads and protect against voltage peaks



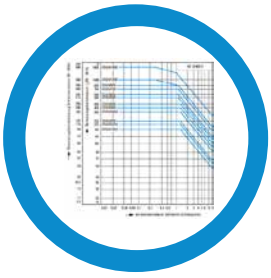
The electronically supported wide-range coils for the AC/DC voltage range…

…reduce the number of different models and simplifies project planning



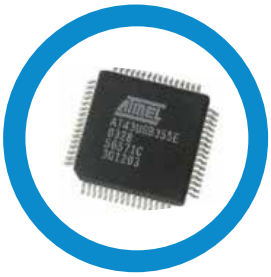
The long mechanical and electrical life...

...under nominal load conditions ensures the safe, long-term operation of your system



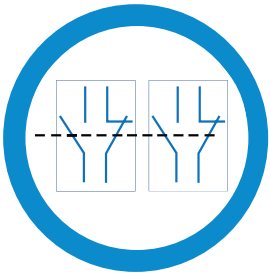
The process-controlled drive…

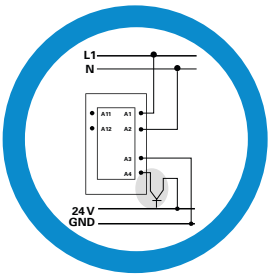
...ensures lower pick-up & holding power at high current levels and greater safety at high current levels



Each contactor is equipped with four auxiliary contacts (2 NO, 2 NC)...

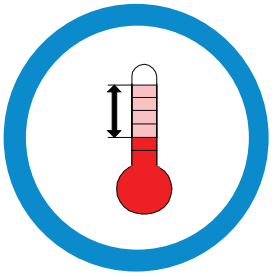
...which reduces the costs for additional auxiliary contacts and simplifies installation





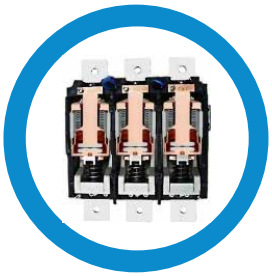
High level of technical performance...

...thanks to various contactor control options



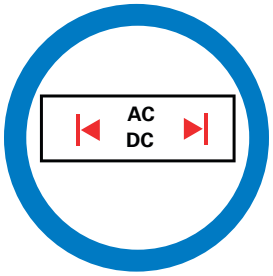
Lower pick-up & holding power...

...which minimizes the costs for control panel ventilation and control transformers



Our AC-3 contactors from 580 A and up use vacuum tubes as the switching element...

...which reduces the size of the line contactor and increases electrical life



High control voltage tolerance…

…which ensures reliable contactor control in unstable networks with strong control-voltage fluctuations

Suitable for global use…

…thanks to comprehensive approvals and certifications

Scope of application…

...specially tailored solutions for different market segments and standard usage categories

DILH600/DILH800 contactors – rugged, durable and safe!

Our DILH high-current contactors can handle rated operating currents from 337 A to 3,135 A and have been designed for use in renewable energy applications and uninterruptible power supplies.

Our DILH600 and DILH800 contactors stand out for their high level of technical performance in specific applications. These include:

- The disconnection of local grids
- Inverter-controlled drives
- Controlling inductive loads
- Galvanic isolation of system parts if inverters/converters are used

Thanks to the electronically controlled power drive, the contactors have a lower pick-up and holding power, which reduces the need for control panel ventilation. As a result, the energy consumption and thus the application costs can be significantly reduced.

Whether you opt for the standard ("S") or the comfort version, we offer the right solution for every application. The comfort contactor stands out for its ability to be controlled in three different ways.

- The conventional way, for example via a mains switch,
- Directly from a PLC via a 24 V output, or
- Via low-power command devices, such as PCB relays, pilot devices or position switches

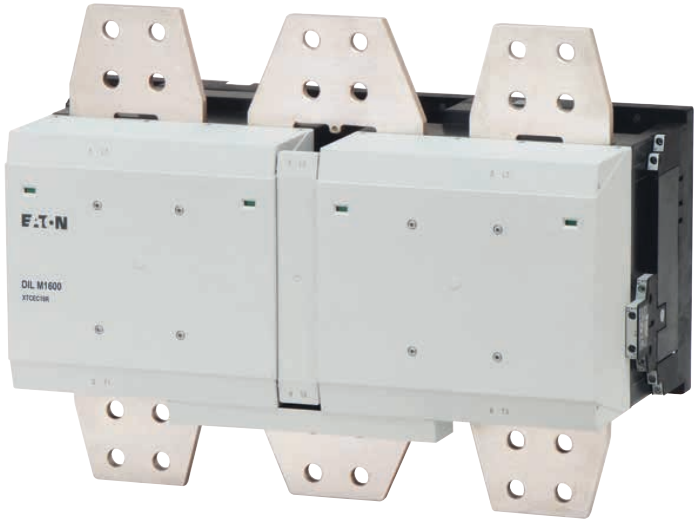
Our DILH contactors with wide-range coils are suitable for both AC and DC operation without having to exchange the coils. Simplified project planning due to the reduced number of types. Four wide-range coils cover the operating voltage range from 24 V to 500 V AC/DC. A suppressor circuit is already integrated to protect against voltage peaks, which reduces the time and costs required for installation.

The high operating voltage tolerance of the DILH600 and DILH800 contactors ensures reliable and safe control, especially in unstable networks with large voltage fluctuations.

At a glance:

- For applications up to 1,000 V
- Long mechanical and electrical life
- Suitable for global use thanks to approvals such as UL/CSA, IEC, CCC, etc.
- Electronic drives with low pick-up and holding power
- The comfort version offers various control options – conventional control, directly from the PLC or via low-power inputs
- Standard models with assigned voltage ranges such as 220-240 V, 50 Hz/60 Hz.
- Ambient temperature range from -40 °C to +70 °C
- Auxiliary contacts with positive-opening contacts and mirror contacts for NC contacts as standard

DILM185A...M1600 contactors for high switching requirements



Simple, safe and cost-effective high-current switching

Our DILM series contactors for motor currents from 185 A to 1,600 A and motor ratings from 90 kW to 930 kW are available in the proven utilization categories AC-1, AC-2, AC-3 and AC-4. They are particularly suitable for frequent switching of highly inductive or capacitive loads.

All contactors of the comfort series come with wide-range coils as standard. The devices cover the operating voltage range from 24 V to 500 V across four intervals, regardless of whether AC or DC control is used.

The electronically controlled drives limit high inrush currents and require only low pick-up and holding power.

Our cost-effective standard contactors come with fixed voltage ranges such as 220-240 V, 50 Hz/60 Hz.

Our vacuum technology ensures a compact footprint even at high operating currents

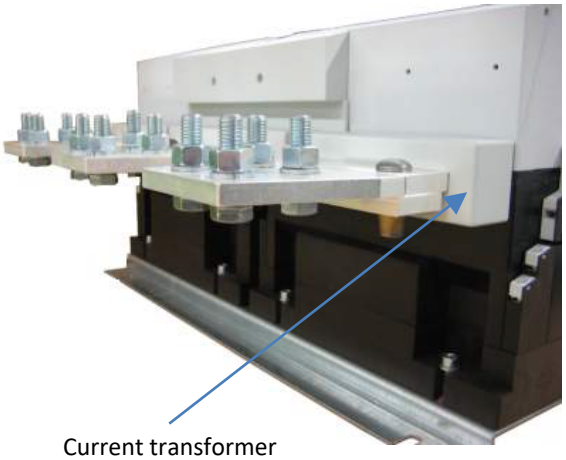
Our contactors for motor current ranges of 580 A and above come with vacuum interrupters as standard. This means that the switch contact is housed inside a hermetically sealed switching tube.

A particular advantage of this technology is that no gases or arcs are generated when switching off. This allows for more compact installation of the contactors and eliminates the need for large distances to conductive parts. In addition, they also feature a high making and breaking capacity and a high short-circuit rating.

Their long mechanical and electrical life at nominal load conditions turns our contactors into a maintenance-free and reliable component for any machine or system.

All contactors are equipped with two lateral auxiliary contacts, consisting of 2 NO and 2 NC contacts, according to IEC/EN 60947-5-1 Annex L in the case of positive-opening contacts and IEC/EN60947-4-1 Annex F in the case of mirror contacts.

DILH1200...DILH2600 contactors for very high operating currents



Current transformer arrangement for balancing for a optimal power distribution

Optimized distribution and switching of high currents

Our DILH vacuum contactors are designed for very high operating currents from 1,450 A to 3,185 A. As a result of the growing use of renewable energy applications, especially wind turbines, the demand for switchgear with very high rated currents has increased. For this reason, several devices (or the circuits of the same device) are often connected in parallel to increase the current-carrying capacity.

However, when connected in parallel, the rated current of the individual contacts or circuits cannot be used equally.

The different contact resistance levels and current displacement effects result in an unbalanced current distribution, so that the total current-carrying capacity of the contacts that are connected in parallel needs to be reduced by an unbalance factor.

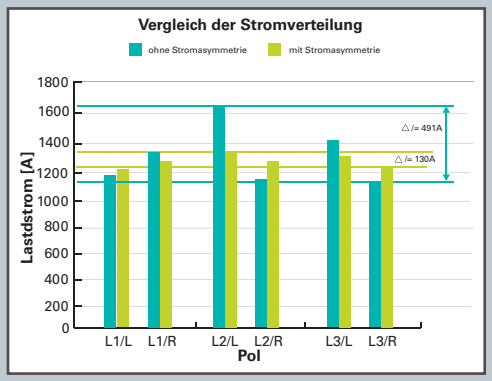
This is where our DILH2600 contactor comes in, which provides optimum balancing in power distribution systems where contacts or switchgear are connected in parallel.

In the case of the DILH2600, this is achieved by means of current transformers, which forcibly balance the individual circuits that are connected in parallel.

While such current balancing does not achieve complete a complete balance, it can significantly improve it. This means that the contactors can be used more efficiently.

Other advantages of our DILH vacuum contactors are their high rated making and breaking capacity and their compact design, which allows them to carry high rated operating currents of up to 3,185 A at a rated voltage of 1,000 V. In addition, vacuum contactors have a long electrical and mechanical life. A further advantage is that they do not emit any gases when switching off, as is the case with air contactors, for example.

The external varistor – a suppressor circuit between the main contacts – that is already integrated in the basic version ensures safe disconnection of inductive loads and thus protects against voltage peaks.



This comparison of the pole currents clearly shows that current balancing significantly improves the utilization of the potential load of the switchgear.

DILDC contactors
Maintenance-free, reliable and cost-efficient. Easy switching of high DC currents.

Our DC contactors for the current range from 300 A to 600 A can be used in various applications. Thanks to the proven hybrid technology, the devices have a long service life. Compared to similar DC contactors, the Eaton contactors are characterized by a significantly higher number of switching operations. This makes the DILDC contactors a maintenance-free and reliable component for any machine and system.

Efficient and compact

- With up to 150,000 operations, the service is life of the DILDC contactors is six times longer than that of comparable devices
- There are no maintenance costs, which in turn reduces the operating costs
- Low contact wear due to the very short arcing time
- Easy on and off switching: either the conventional way or directly via a programmable logic controller (PLC)
- Compact, space-saving design
- Very short opening and closing times of the main contacts

Reliable and flexible

- Wide operating voltage range from 110 to 250 V AC or 110 to 350 V DC
- International approvals: UL, CSA, CCC, GL, DNV
- Simple handling thanks to bidirectional switching (polarity-independent)
- Wide ambient temperature range from -40 °C to +70 °C

Designed for industrial use

- End-to-end design
- Quick and easy installation using our proven connection technology

Using a tried and tested technology the smart way

The proven hybrid technology of our DIL DC power contactors enables low wear and a long service life:

Two mechanical contacts, a quenching contact and a disconnecting contact, are connected in series. An insulated-gate bipolar transistor (IGBT) is used in parallel with the quenching contact. When switching off, the IGBT is switched on first. The quenching contact then opens mechanically. This causes the current to commutate to the IGBT and to be switched off electronically. After the power has been disconnected, galvanic isolation is achieved when the isolating contact opens.

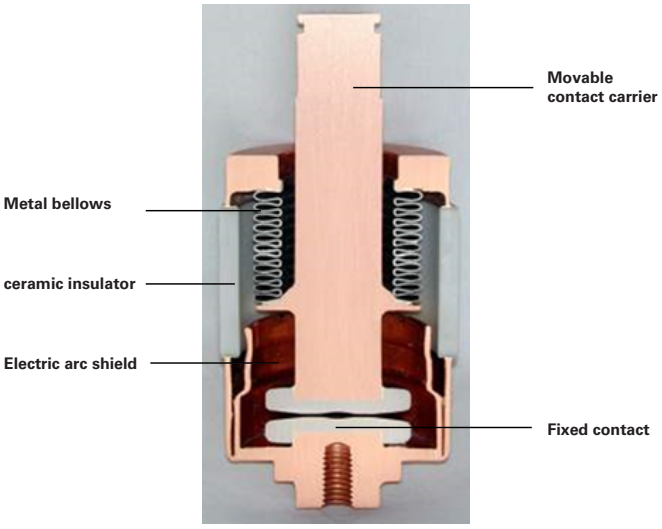
The wide-range coil for DC and AC voltages turns the DIL DC power contactor into a maintenance-free and reliable component for any machine or system.

Series	DILDC300	DILDC400	DILDC500	DILDC600
Thermal rating Ith	300 A	400 A	500 A	600 A
Voltage type	DC (bidirectional)			
Rated operational voltage	1,000 VDC			
Main contacts: number/type	2 NO			
Auxiliary contacts: number/type	2 NO, 2 NC			
Operating frequency	100/h			
Ambient temperature range	-40 °C to +70 °C			
Electrical service life	0.15 x 106 operations			
Mechanical service life	1 x 106 operations			
Weight: [kg]	7.5			
Utilization category:	DC-1			

Vacuum technology
Design of a vacuum interrupter

The main advantages of vacuum technology

- More compact size
- High rated operational currents
- For applications up to 1,000 V
- Long mechanical and electrical life
- No emission of switching cases, unlike air contactors
- Significantly smaller distances to conductive parts



Checklist for the correct selection of contactors

What information is required in order to select the right contactor?

Are any special standards or approvals required?

Which utilization category, i.e. AC-1, AC-2, or AC-3 to AC-4, is required?

- The characteristic (R, L, C) of the load to be switched or controlled determines the choice of switchgear for the application in question.

How high are the inrush and breaking currents that the contactor needs to be able to switch?

- The current and voltage loads when switching on and off are particularly important, especially the characteristic switching conditions, e.g. the ratio of inrush current to rated operating current

Rated operational power / rated operational current

- What are the operating conditions, such as the altitude, ambient temperature and the associated cooling requirements (duration and type)?

Operating voltage (coil voltage) and type of control

- Comfort version:
  for AC / DC from 24 V ... 500 V with wide range coil,

  or

- S version:
  with a fixed operating voltage of 220 V-240 V, 50 Hz/60 Hz
- Should the contactor be controlled directly or via a PLC?

What type of auxiliary contacts are required?

A comprehensive range of accessories

We offer a comprehensive range of basic accessories to support a wide variety of applications.

Lateral auxiliary contacts (2 NO/2 NC as standard)

Terminal covers

Mechanical interlock

Cable terminal block

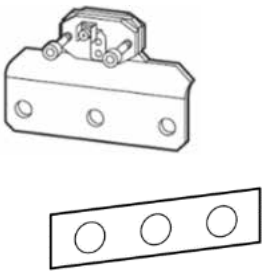
Replacement coils & electronic parts

Replacement contacts

Replacement covers

Flat cable terminal kit

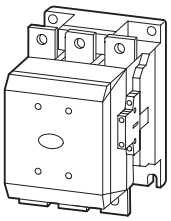
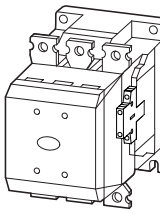
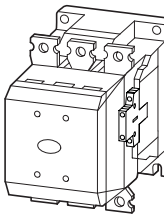
Suppressor circuits (on the load side as standard)



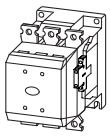
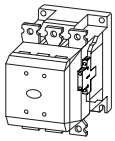
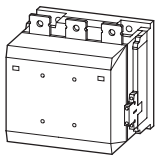
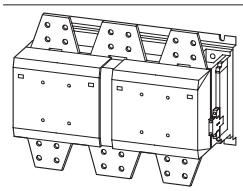
Paralleling link
Star-point bridge

Data and dimensions at a glance

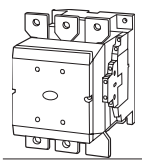
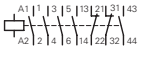
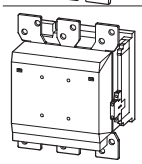
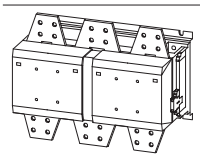
DILM standard devices

	Rated operational current	Max. rated operational power three-phase motors 50 - 60 Hz								Conventional thermal current 3-pole AC-1 is open at 40 °C	Contact diagram	Part no. Article no.
	AC-3	AC-3				AC-4						
	380 V 400 V	220 V 230 V	380 V 400 V	660 V 690 V	1000 V	220 V 230 V	380 V 400 V	660 V 690 V	1000 V			
	I_e	P	P	P		P	P	P		$I_{th} = I_e$		
	A	kW	kW	kW		kW	kW	kW		A		
	DILM complete devices											
	Screw connection, 3-pole											
	185	55	90	140	108	41	75	102	77	275		**DILM185A/22(RAC240)**[1] 139537
	225	70	110	150	108	51	90	110	77	315		**DILM225A/22(RAC240)**[1] 139547
	250	75	132	170		62	110	137		430		**DILM250-S/22(220-240V50/60HZ)** 274190
	300	90	160	170		75	132	137		490		**DILM300A-S/22(220-240V50/60HZ)** 139559
	400	125	212	300		92	160	240		612		**DILM400-S/22(220-240V50/60HZ)** 274196
	500	155	265	300		112	200	240		800		**DILM500-S/22(220-240V50/60HZ)** 274199

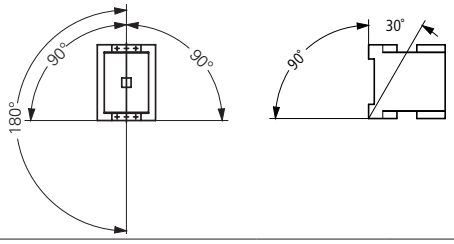
DILM comfort devices

	Rated operational current	Max. rated operational power three-phase motors 50-60 Hz								Conventional thermal current AC-1 open at 40 °C	Contact diagram	Part no. Article no.
	AC-3	AC-3				AC-4						
	380 V 400 V	220 V 230 V	380 V 400 V	660 V 690 V	1000 V	220 V 230 V	380 V 400 V	660 V 690 V	1000 V			
	I_e	P	P	P	P	P	P	P	P	$I_{th} = I_e$		
	A	kW	kW	kW	kW	kW	kW	kW	kW	A		
	DILM comfort contactors											
	250	75	132	170	108	62	110	137	108	430		**DILM250/22(RA250)**[2] 208201
	300	90	160	170	132	75	132	137	108	490		**DILM300A/22(RA250)**[2] 139556
	400	125	212	300	132	92	160	240	132	612		**DILM400/22(RA250)**[3] 208209
	500	155	265	300	132	112	200	240	132	800		**DILM500/22(RA250)**[3] 208213
	580	185	315	560	600	143	250	440	509	980		**DILM580/22(RA250)**[3] 208216
	650	205	355	630	600	161	280	494	509	1041		**DILM650/22(RA250)**[3] 208219
	750	240	400	720	800	181	315	556	678	1102		**DILM750/22(RA250)**[3] 208222
	820	260	450	750	800	209	355	633	678	1225		**DILM820/22(RA250)**[3] 208225
	1000	315	560	1000	1100	260	450	780	1000	1225		**DILM1000/22(RA250)**[3] 267214
	1600	500	900	1600	1770	430	750	1300	1650	2200		**DILM1600/22(RAW250)**[3] 106727

DILH comfort devices

	Conventional thermal current AC-1 open at 40 °C	Contact diagram	Part no. Article no.
	$I_{th} = I_e$		
	A		
	DILH comfort AC-1 contactor		
	850		**DILH600/22(RA250)** 197905
	1050		**DILH800/22(RA250)** 197912
	1380		**DILH1200/22(RAW250)** 151242
	1714		**DILH1400/22(RA250)** 168618
	2450		**DILH2000/22(RAW250)** 272442
	2700		**DILH2200/22(RAW250)** 111793
	3185		**DILH2600/22(RAW250)** 125945

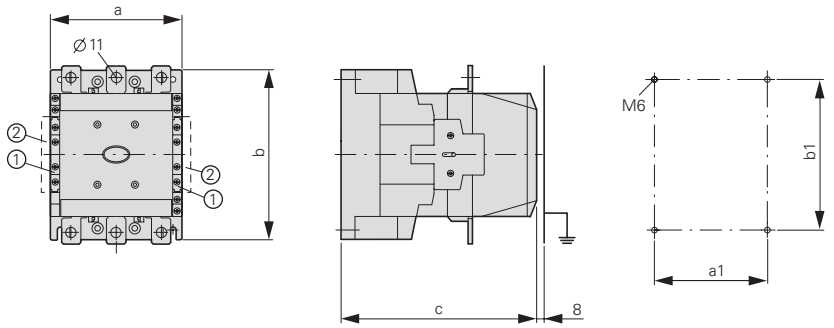
Technical data

			DILM185A	DILM225A	DILM250	DILM300A	DILM400	DILM500
General information								
Standards			IEC/EN 60947, VDE 0660, UL, CSA					
Mechanical service life								
AC-operated	Operations	x 10^6	10	10	10	10	7	7
DC-operated	Operations	x 10^6	10	10	10	10	7	7
Mechanical operating frequency								
AC-operated	Operations/h		3000	3000	3000	3000	2000	2000
DC-operated	Operations/h		3000	3000	3000	3000	2000	2000
Climate resistance			Constant damp heat, as defined in IEC 60068-2-78 Cyclic damp heat, as defined in IEC 60068-2-30					
Ambient temperature range								
open		°C				-40 to +70		
enclosed		°C				-40 to +70		
during storage		°C				-40 to +80		
Mounting position, AC- and DC-operated								
Mechanical shock resistance (IEC/EN 60068-2-27), half-sinusoidal shock for 10 ms								
Main contacts								
NO contact		g	10	10	10	10	10	10
Auxiliary contacts								
NO contact		g	10	10	10	10	10	10
NC contact		g	8	8	8	8	8	8
Degree of protection			IP00	IP00	IP00	IP00	IP00	IP00
Touch guard in case of vertical operation from the front (EN 50274)			Finger- and back-of-hand safe, with terminal cover or terminal block					
Weight								
Weight		kg	3.5	3.5	7.2	7.1	8.6	8.6
Terminal capacities, main cable (Cu cable)								
Flexible with cable lug		mm^2	50 - 185	50 - 185	50 - 240	50 - 240	50 - 240	50 - 240
Stranded with cable lug		mm^2	50 - 185	70 - 185	70 - 240	70 - 240	70 - 240	70 - 240
Solid or stranded		AWG	1/0 - 350 MCM	2/0 - 250 MCM	2/0 - 500 MCM	2/0 - 500 MCM	2/0 - 500 MCM	2/0 - 500 MCM
Mounted using flat cable terminals or cable terminal blocks, see terminal capacity for cable terminal blocks								
Busbar	Width	mm	32	32	25	25	25	30
Connection screw for main cable			M10	M10	M10	M10	M10	M10
Tightening torque		Nm	24	24	24	24	24	24
Terminal capacities, control circuit cable (Cu cable)								
Solid		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Solid or stranded		AWG	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14
Stripping length		mm	10	10	10	10	10	10
Connection screw for control circuit cable			M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
Tightening torque		Nm	1.2	1.2	1.2	1.2	1.2	1.2
Tool								
Main cable								
Wrench size		mm	16	16	16	16	16	16
Control circuit cable								
Pozidriv screwdriver		Size	2	2	2	2	2	2

DILM580	DILM650	DILM750	DILM820	DILM1000	DILM1600	DILH600	DILH800	DILH1200	DILH1400	DILH2000	DILH2200	DILH2600
IEC/EN 60947, VDE 0660, UL, CSA								IEC/EN 60947, VDE 0660, UL, CSA, CCC				
5	5	5	5	5	5	3	3	3	5	5	5	5
5	5	5	5	5	5	3	3	3	5	5	5	5
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Constant damp heat, as defined in IEC 60068-2-78 Cyclic damp heat, as defined in IEC 60068-2-30												
						-40 to +70						
						-40 to +70						
						-40 to +80						
10	10	10	10	10	10	10	10	10	10	10	10	10
10	10	10	10	10	10	10	10	10	10	10	10	10
8	8	8	8	8	8	8	8	8	8	8	8	8
IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00	IP00
Finger- and back-of-hand safe, with terminal cover or terminal block					–			–	–	–	–	–
16.2	16.2	16.5	16.5	17.3	32	9.5	9.5	14.4	14.4	32	32	35.2
50 - 240	50 - 240	50 - 240	50 - 240	50 - 240	–	50 - 240	50 - 240	–	–	–	–	–
70 - 240	70 - 240	70 - 240	70 - 240	70 - 240	–	70 - 240	70 - 240	–	–	–	–	–
2/0 - 500 MCM	2/0 - 500 MCM	2/0 - 500 MCM	2/0 - 500 MCM	2/0 - 500 MCM	–	–	–	–	–	–	–	–
				–	–	–	–	–	–	–	–	–
50	50	60	60	60	100	50	50	80	80	100	100	100
M10	M10	M12	M12	M12	M12	M10	M10	M12	M12	M12	M12	M12
24	24	35	35	35	35	24	24	35	35	35	35	35
1 x (0.75 - 2.5) 2 x (0.75 - 2.5)												
1 x (0.75 - 2.5) 2 x (0.75 - 2.5)												
18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14	18 - 14
10	10	10	10	101	10	10	10	10	10	10	10	10
M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
16	16	18	18	18	18	16	16	18	18	18	18	18
2	2	2	2	2	2	2	2	2	2	2	2	2

Dimensions

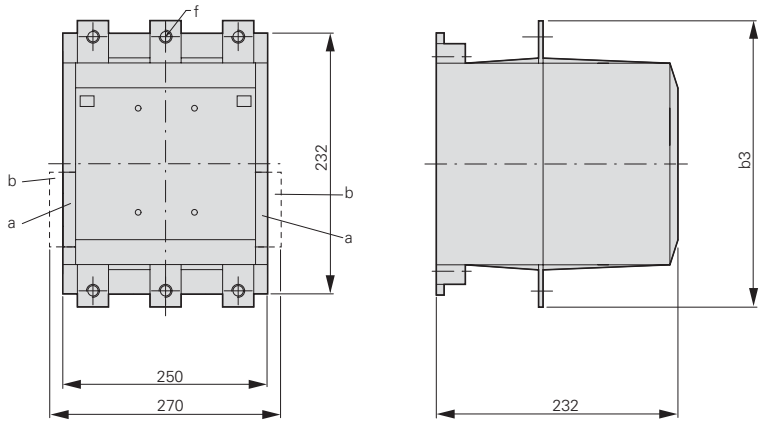
DILM185A – DILM225A
DILM250 – DILM500



① DILM1000-XHI...-SI
② DILM1000-XHI11-SA
① DILM820-XHI...-SI
② DILM820-XHI...-SA

Part no.	a	a1	b	b1	c
DILM185A	140	120	180	160	158
DILM225A	140	120	180	160	158
DILM250	140	120	180	160	208
DILM300A	140	120	180	160	208
DILM400	160	130	200	180	216
DILM500	160	130	200	180	216

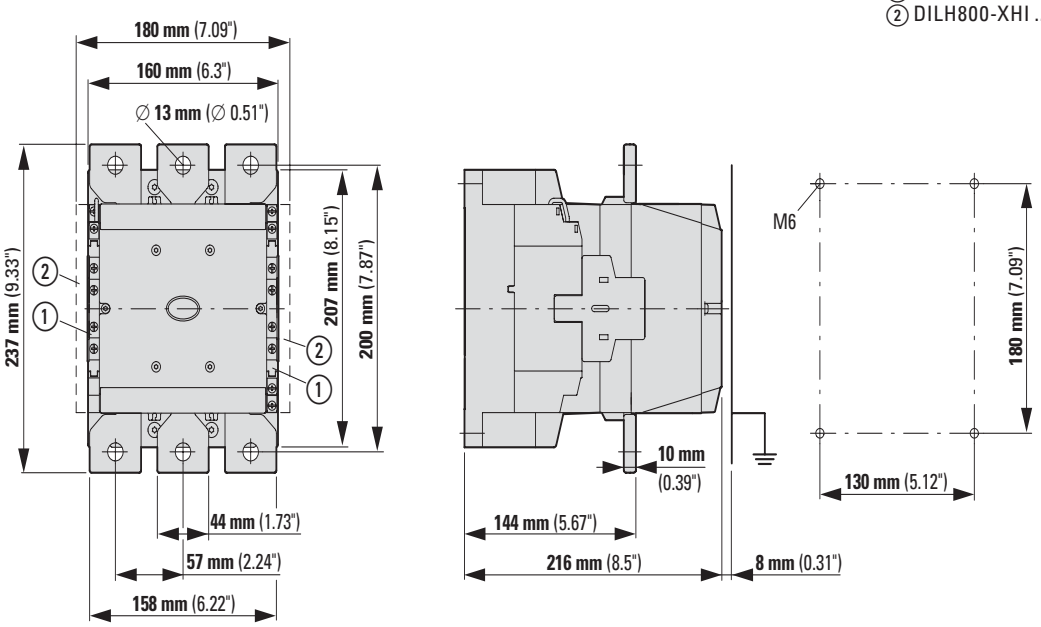
DILM580 – DILM1000



Part no.	b3	d1	f
DILM580	296	45	13.5
DILM650	296	45	13.5
DILM750	296	45	13.5
DILM820	296	45	13.5
DILM1000	296	45	13.5

① DILM820-XHI...-SI
② DILM820-XHI-SA

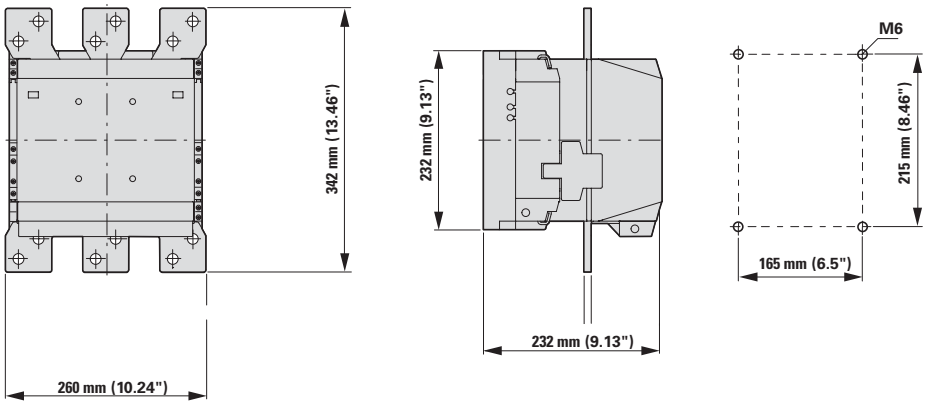
DILH600/DILH800



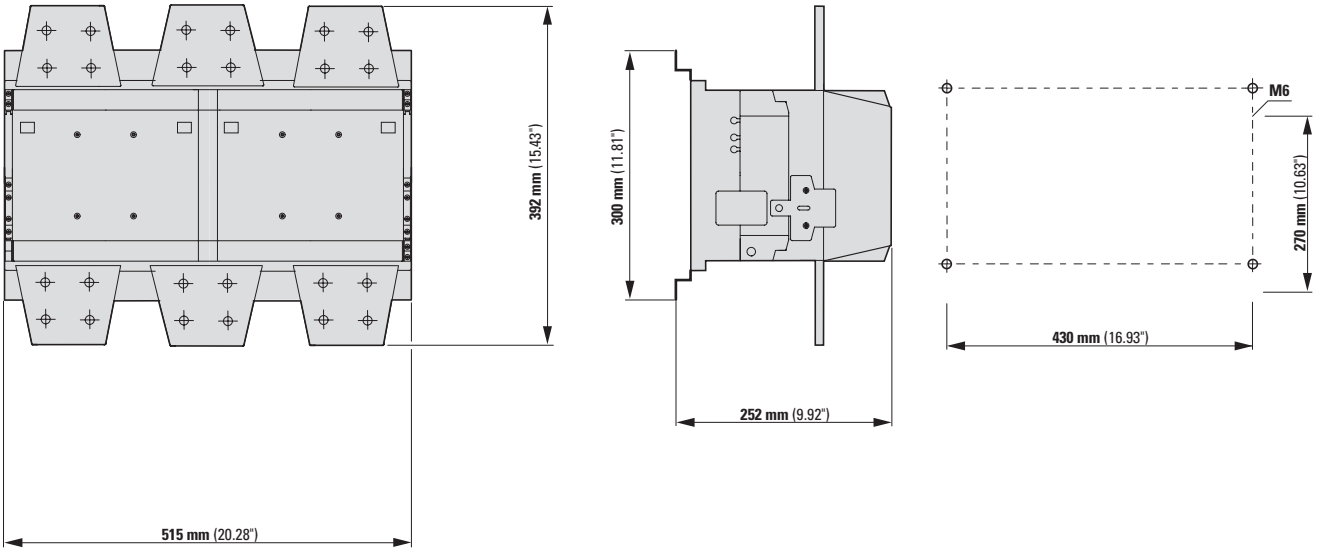
① DILH800-XHI ... - SI
② DILH800-XHI ... - SA

AC-1 contactors greater than 1,000 A

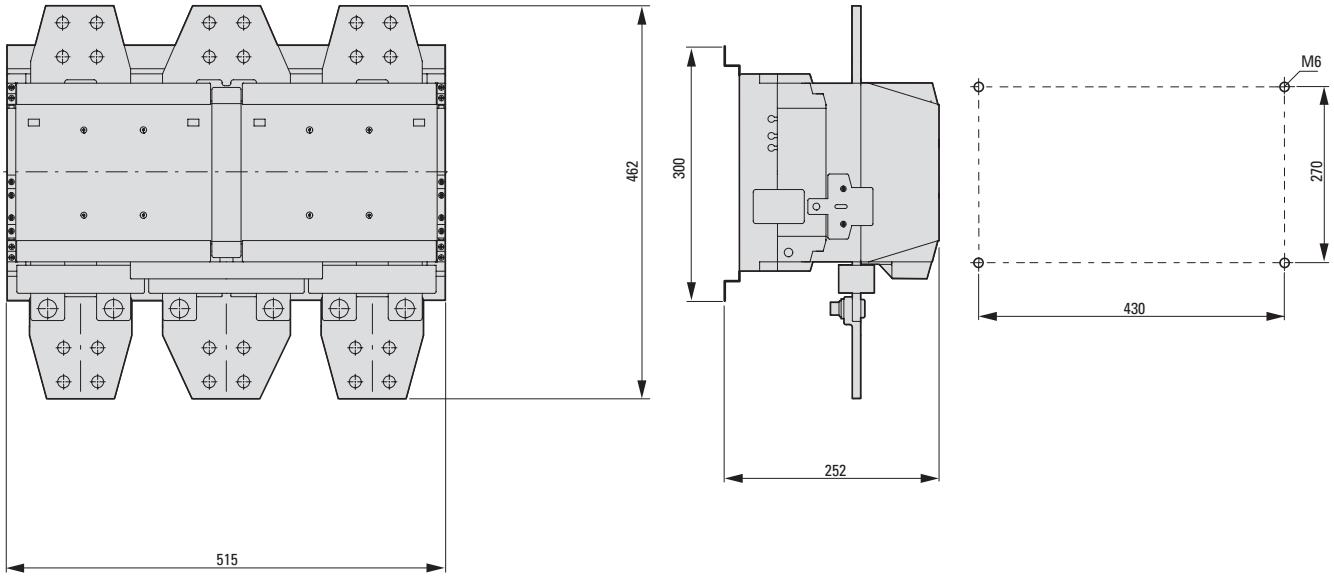
DILH1200/DILH1400



DILM1600
DILH2000
DILH2200



DILH2600



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