DATASHEET - DILM95(24V50/60HZ)



Contactor, 3 pole, 380 V 400 V 45 kW, 24 V 50/60 Hz, AC operation, Screw terminals



Part no. DILM95(24V50/60HZ)
Catalog No. 239484

Alternate Catalog XTCE095F00T

No.

EL-Nummer 4134052

(Norway)

Delivery program	
HEIIVELV DLUDLAID	

Delivery program			
Product range			Contactors
Application			Contactors for Motors
Subrange			Contactors up to 170 A, 3 pole
Utilization category			AC-1: Non-inductive or slightly inductive loads, resistance furnaces NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
			IE3 ✓
Notes			Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Connection technique			Screw terminals
Number of poles			3 pole
Rated operational current			
AC-3			
Notes			At maximum permissible ambient temperature (open.)
380 V 400 V	I _e	Α	95
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	Α	130
enclosed	I _{th}	Α	100
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	275
enclosed	I _{th}	Α	250
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	Р	kW	30
380 V 400 V	Р	kW	45
660 V 690 V	Р	kW	75
AC-4			
220 V 230 V	P	kW	16
380 V 400 V	P	kW	26
660 V 690 V	P	kW	35
Contact sequence			$\begin{array}{c c} & A1 & 1 & 3 & 5 \\ & A2 & 2 & 4 & 6 \end{array}$
Instructions			Contacts to EN 50 012.
Can be combined with auxiliary contact			DILM150-XHI(V) DILM1000-XHI(V)
Actuating voltage			24 V 50/60 Hz
Voltage AC/DC			AC operation
Connection to SmartWire-DT			no

Technical data General

	General			
AC agarated	Standards			IEC/EN 60947, VDE 0660, UL, CSA
Operating frequency, mechanical AC operated Operationsh 3800 Climatic proofing Damp heat, contant, to IEC 80088-2-78 Damp heat, contant, to IEC 80088-2-78 Ambient temperature "C - 25 - 80 ————————————————————————————————————	Lifespan, mechanical			
Alto perstand Climatic profiling	AC operated	Operations	x 10 ⁶	10
Damp heat. constant, to IEC 60008-2-78 Damp heat. cyclic, to IEC 60008-2-79 Damp heat. cyclic, to IEC 60008-2-70 Damp heat. cyclic for IEC 60008-2-70 Damp heat. cyc	Operating frequency, mechanical			
Ambient tomperature Opan Copan Cop	AC operated	Operations/h		3600
Open	Climatic proofing			
Procession	Ambient temperature			
Storage Mounting position Mechanical shock resistance (IEC/EN 80088-2-27) Half-sinusoidal shock, 10 ms Main contacts N/O contact N/O contact N/C contact N/C contact N/C contact Sinusoidal shock, 10 ms Mechanical shock resistance (IEC/EN 80088-2-27) Half-sinusoidal shock 10 ms Mechanical shock resistance (IEC/EN 80088-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Main contacts N/O contact Sinusoidal shock, 10 ms Main contacts Sinusoidal shock, 10 ms Sinusoidal shock, 10 ms Main contacts Sinusoidal shock, 10 ms Sinusoidal shock, 10 ms	Open		°C	-25 - +60
Mechanical shock resistance (IEC/EN 60068-2-27) Half-sinusoidal shock, 10 ms Main contacts N/O contact Auxiliary contacts N/O contact Half-sinusoidal shock, 10 ms Main contacts N/O contact Half-sinusoidal shock, 10 ms Main contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts N/O contact Auxiliary contacts Auxiliary cont	Enclosed		°C	- 25 - 40
Mochanical shock resistance (IEC/EN 60068-2-27) Half-sinusoidal shock, 10 ms Main contacts N/O contact N/O contact N/O contact N/O contact N/O contact N/O contact Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Main contacts N/O contact Auxiliary contacts N/O contact I my	Storage		°C	- 40 - 80
Half-sinusoidal shock, 10 ms g 10 N/0 contact g 10 Auxiliary contacts g 7 N/0 contact g 5 N/C contact g 5 Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Main contacts g 10 N/0 contact g 10 Auxiliary contacts g 7 N/0 contact g 7 N/0 contact g 5 Degree of Protection m inper and back-of-hand proof Altitude m max. 2000 Weight m x AC operated kg 2.18 Screw connector terminals x x Terminal capacity main cable x	Mounting position			
Main contacts g 10 Auxiliary contacts g 7 N/C contact g 7 Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Formula (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms g 10 Main contacts g 10 N/O contact g 7 Auxiliary contacts g 7 N/C contact g 5 N/C contact g 5 Degree of Protection IP00 Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Altitude m Max. 2000 Weight 4 2.18 Screw connector terminals Terminal capacity main cable m 1 x (10 - 70) / 2 x (10 - 50) Flexible with ferrule mm² 1 x (16 - 70) / 2 x (16 - 50)	Mechanical shock resistance (IEC/EN 60068-2-27)			
N/O contact g 10 Auxiliary contacts g 7 N/C contact g 5 Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Secondary Main contacts g 10 N/O contact g 10 Auxiliary contacts g 7 N/C contact g 7 N/C contact g 5 Degree of Protection IP00 Finger and back-of-hand proof Altitude m Max. 2000 Weight Max. 2000 Weight Kg 2.18 Screw connector terminals Terminal capacity main cable mm² 1 x (10 - 70) 2 x (10 - 50) Flexible with ferrule mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	Half-sinusoidal shock, 10 ms			
Auxiliary contacts N/O contact N/C contact Mechanical shock, resistance (IEC/EN 60088-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Main contacts N/O contact Auxiliary contacts N/O contact N/O	Main contacts			
N/C contact g 7 N/C contact g 5 Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms	N/O contact		g	10
N/C contact g 5	Auxiliary contacts			
Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted Half-sinusoidal shock, 10 ms Main contacts g 10 N/0 contact g 7 Auxiliary contacts g 7 N/C contact g 5 Degree of Protection IP00 Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Altitude m Max. 2000 Weight AC operated kg 2.18 Screw connector terminals Terminal capacity main cable mm² 1 x (10 - 70) 2 x (10 - 50) Flexible with ferrule mm² 1 x (16 - 70) 2 x (16 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	N/O contact		g	7
Half-sinusoidal shock, 10 ms Main contacts N/O contact g 10 Auxiliary contacts g 7 N/O contact g 7 N/C contact g 5 Degree of Protection IP00 Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Altitude m Max. 2000 Weight 2.18 Screw connector terminals Terminal capacity main cable Flexible with ferrule mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	N/C contact		g	5
Main contacts g 10 N/O contact g 7 N/O contact g 7 N/C contact g 5 Degree of Protection IP00 Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Altitude m Max. 2000 Weight c 2.18 Screw connector terminals c c Terminal capacity main cable mm² 1x (10 - 70) 2x (10 - 50) Stranded mm² 1x (16 - 70) 2x (16 - 50)	Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted			
N/O contact g 10 Auxiliary contacts g 7 N/O contact g 5 Degree of Protection IP00 Finger and back-of-hand proof Altitude m Max. 2000 Weight kg 2.18 Screw connector terminals kg 2.18 Terminal capacity main cable mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (10 - 70) 2 x (16 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	Half-sinusoidal shock, 10 ms			
Auxiliary contacts N/O contact N/C contact Degree of Protection Protection against direct contact when actuated from front (EN 50274) Altitude Weight AC operated AC operated Screw connector terminals Terminal capacity main cable Flexible with ferrule Stranded Auxiliary contacts g 7 1P00 Finger and back-of-hand proof Max. 2000 Max. 2000 ** ** ** ** ** ** ** ** **	Main contacts			
N/O contact g 7 N/C contact g 5 Degree of Protection IP00 Protection against direct contact when actuated from front (EN 50274) Finger and back-of-hand proof Altitude m Max. 2000 Weight kg 2.18 Screw connector terminals g 1 x (10 - 70) (2 x (10 - 50)) Terminal capacity main cable mm² 1 x (10 - 70) (2 x (10 - 50)) Stranded mm² 1 x (16 - 70) (2 x (16 - 50))	N/O contact		g	10
N/C contact Degree of Protection Protection against direct contact when actuated from front (EN 50274) Altitude Weight AC operated Screw connector terminals Terminal capacity main cable Flexible with ferrule Stranded Terminal	Auxiliary contacts			
Degree of Protection Protection against direct contact when actuated from front (EN 50274) Altitude Max. 2000 Weight AC operated Screw connector terminals Terminal capacity main cable Flexible with ferrule Stranded Tended Tended	N/O contact		g	7
Protection against direct contact when actuated from front (EN 50274) Altitude Max. 2000 Weight AC operated Screw connector terminals Terminal capacity main cable Flexible with ferrule Stranded Tender of back-of-hand proof Max. 2000 The Max. 2000 Th	N/C contact		g	5
Altitude m Max. 2000 Weight Kg 2.18 Screw connector terminals Kg 2.18 Terminal capacity main cable mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	Degree of Protection			IP00
Weight kg 2.18 Screw connector terminals Terminal capacity main cable Flexible with ferrule mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
AC operated kg 2.18 Screw connector terminals Terminal capacity main cable Flexible with ferrule mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	Altitude		m	Max. 2000
Screw connector terminals Image: connector terminal capacity main cable Image: connector terminal capacity main c	Weight			
Terminal capacity main cable Flexible with ferrule mm² 1 x (10 - 70) 2 x (10 - 50) Stranded mm² 1 x (16 - 70) 2 x (16 - 50)	AC operated		kg	2.18
Flexible with ferrule $mm^{2} = \frac{1 \times (10 - 70)}{2 \times (10 - 50)}$ Stranded $mm^{2} = \frac{1 \times (16 - 70)}{2 \times (16 - 50)}$	Screw connector terminals			
2 x (10 - 50) Stranded mm ² 1 x (16 - 70) 2 x (16 - 50)	Terminal capacity main cable			
2 x (16 - 50)				2 x (10 - 50)
Colid or observed and				2 x (16 - 50)
	Solid or stranded		AWG	single 83/0, double 82/0
Flat conductor Lamellenzahl mm 2 x (6 x 16 x 0.8) x Breite x Dicke	Flat conductor	x Breite x	mm	2 x (6 x 16 x 0.8)
Stripping length mm 24	Stripping length		mm	24
Terminal screw M10	Terminal screw			M10
Tightening torque Nm 14	Tightening torque		Nm	14
Tool	Tool			
Hexagon socket-head spanner SW mm 5	Hexagon socket-head spanner	SW	mm	5
Terminal capacity control circuit cables	Terminal capacity control circuit cables			
Solid mm ² 1 x (0.75 - 4) 2 x (0.75 - 2.5)	Solid		mm ²	
Flexible with ferrule	Flexible with ferrule		mm ²	

Solid or stranded		AWG	18 - 14
Stripping length		mm	10
Terminal screw		111111	M3.5
		Nm	1.2
Tightening torque Tool		IVIII	1.2
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5
		111111	1x6
Main conducting paths			
Rated impulse withstand voltage	U _{imp}	V AC	8000
Overvoltage category/pollution degree			111/3
Rated insulation voltage	Ui	V AC	690
Rated operational voltage	U _e	V AC	690
Safe isolation to EN 61140			
between coil and contacts		V AC	690
between the contacts		V AC	690
Making capacity (p.f. to IEC/EN 60947)			
	Up to 690 V	Α	1330
Breaking capacity			
220 V 230 V		Α	950
380 V 400 V		Α	950
500 V		Α	950
660 V 690 V		Α	800
Short-circuit rating			
Short-circuit protection maximum fuse			
Type "2" coordination			
400 V	gG/gL 500 V	Α	160
690 V	gG/gL 690 V	Α	160
Type "1" coordination			
400 V	gG/gL 500 V	Α	250
690 V	gG/gL 690 V	Α	200
AC			
AC-1			
Rated operational current			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	Α	130
at 50 °C	$I_{th} = I_e$	Α	125
at 55 °C	$I_{th} = I_e$	Α	115
at 60 °C	$I_{th} = I_e$	Α	110
enclosed	I _{th}	Α	100
Conventional free air thermal current, 1 pole			
open	I _{th}	Α	275
enclosed	I _{th}	Α	250
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
Notes			At maximum permissible ambient temperature (open.)
220 V 230 V	I _e	Α	95
240 V	I _e	Α	95
380 V 400 V	l _e	A	95
415 V	le	A	95
440V	l _e	Α	95
500 V	l _e	Α	95
660 V 690 V	I _e	Α	80

380 V 400 V	1	Α	95
	l _e		90
Motor rating	P	kWh	
220 V 230 V	Р	kW	30
240V	Р	kW	32
380 V 400 V	Р	kW	45
415 V	Р	kW	57
440 V	P	kW	60
500 V	Р	kW	70
660 V 690 V	Р	kW	75
AC-4			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	l _e	Α	50
240 V	l _e	Α	50
380 V 400 V	I _e	Α	50
415 V			50
	l _e	A	
440 V	l _e	Α	50
500 V	l _e	Α	50
660 V 690 V	l _e	Α	37
Motor rating	Р	kWh	
220 V 230 V	Р	kW	16
240 V	Р	kW	17
380 V 400 V	Р	kW	26
415 V	Р	kW	30
440 V	Р	kW	32
500 V	Р	kW	36
660 V 690 V	P	kW	35
DC		N.V.	
Rated operational current, open			
DC-1			
60 V	I _e	Α	110
110 V	l _e	Α	110
220 V			
	l _e	Α	70
Current heat loss 3 pole, at I _{th} (60°)		W	16.9
Current heat loss at I _e to AC-3/400 V		W	12.6
Impedance per pole		mΩ	0.6
Magnet systems			
Voltage tolerance			
AC operated	Pick-up	x U _c	0.8 - 1.1
Drop-out voltage AC operated	Drop-out	x U _c	0.3 - 0.6
Power consumption of the coil in a cold state and 1.0 x $\ensuremath{\text{U}_{\text{S}}}$			
50/60 Hz	Pick-up	VA	372 328
50/60 Hz	Sealing	VA	37.1 22.6
50/60 Hz	Sealing	W	5.8
Duty factor		% DF	100
Changeover time at 100 % U _S (recommended value)			
Main contacts			
AC operated			
Closing delay		ms	14 - 20
Opening delay		ms	9 - 14
Arcing time Permissible residual current with actuation of A1 - A2 by the electronics (with		ms mA	15 ≦1
0 signal).			
Lifespan, mechanical; Coil 50/60 Hz		x 10 ⁶	Mechanical lifespan at 50 Hz approx. 30% lower than under "General"

Electromagnetic compatibility (EMC)

Electroniagnetic compatibility (EMIC)		
Emitted interference		to EN 60947-1
Interference immunity		to EN 60947-1
Rating data for approved types		
Switching capacity		
Maximum motor rating		
Three-phase		
200 V 208 V	HP	30
230 V 240 V	HP	40
460 V 480 V	HP	75
575 V 600 V	HP	100
Single-phase		
115 V 120 V	НР	7.5
230 V 240 V	НР	15
General use	Α	125
Short Circuit Current Rating	SCCR	
Basic Rating		
SCCR	kA	10
max. Fuse	A	600
max. CB	A	600
	^	000
480 V High Fault		20/402
SCCR (fuse)	kA	30/100
max. Fuse	Α	300/300 Class J
SCCR (CB)	kA	65
max. CB	Α	250
600 V High Fault		
SCCR (fuse)	kA	30/100
max. Fuse	Α	300/300 Class J
SCCR (CB)	kA	30
max. CB	Α	350
Special Purpose Ratings		
Electrical Discharge Lamps (Ballast)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	100
600V 60Hz 3phase, 347V 60Hz 1phase	Α	100
Incandescent Lamps (Tungsten)		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	100
600V 60Hz 3phase, 347V 60Hz 1phase	Α	100
Resistance Air Heating		
480V 60Hz 3phase, 277V 60Hz 1phase	Α	100
600V 60Hz 3phase, 347V 60Hz 1phase	Α	100
Refrigeration Control (CSA only)		
LRA 480V 60Hz 3phase	Α	540
FLA 480V 60Hz 3phase	Α	90
LRA 600V 60Hz 3phase	Α	420
FLA 600V 60Hz 3phase	Α	70
Definite Purpose Ratings (100,000 cycles acc. to UL 1995)		
LRA 480V 60Hz 3phase	Α	570
FLA 480V 60Hz 3phase	A	95
Elevator Control	,,	
	ШΡ	20
200V 60Hz 3phase	HP	20
200V 60Hz 3phase	A	62.1
240V 60Hz 3phase	HP	30

240V 60Hz 3phase	А	80
480V 60Hz 3phase	НР	60
480V 60Hz 3phase	А	77
600V 60Hz 3phase	НР	75
600V 60Hz 3phase	А	77

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	95
Heat dissipation per pole, current-dependent	P _{vid}	W	4.2
Equipment heat dissipation, current-dependent	P _{vid}	W	12.6
Static heat dissipation, non-current-dependent	P _{vs}	W	5.8
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

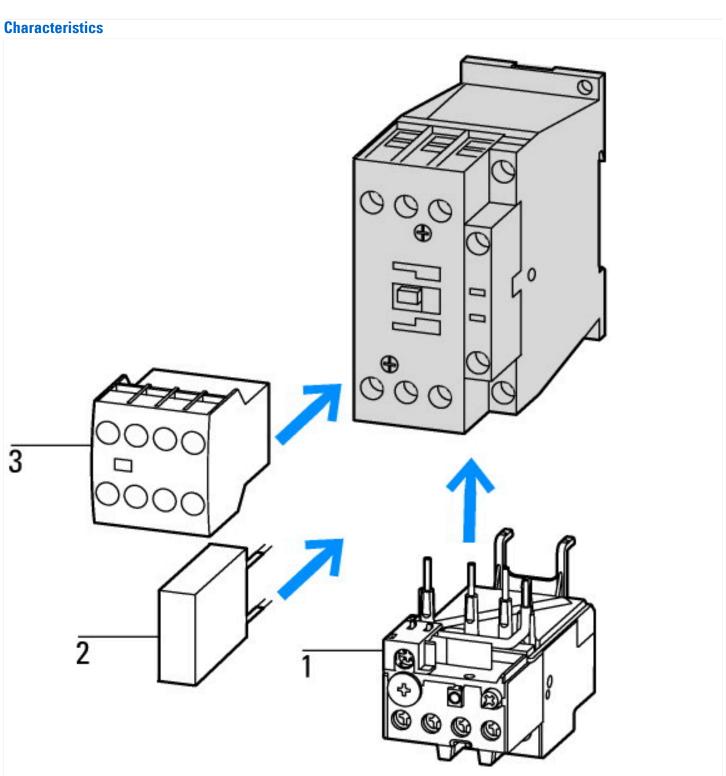
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])				
Rated control supply voltage Us at AC 50HZ	V	24 - 24		
Rated control supply voltage Us at AC 60HZ	V	24 - 24		
Rated control supply voltage Us at DC	V	0 - 0		
Voltage type for actuating		AC		
Rated operation current le at AC-1, 400 V	Α	130		
Rated operation current le at AC-3, 400 V	А	95		
Rated operation power at AC-3, 400 V	kW	45		
Rated operation current le at AC-4, 400 V	Α	50		
Rated operation power at AC-4, 400 V	kW	26		

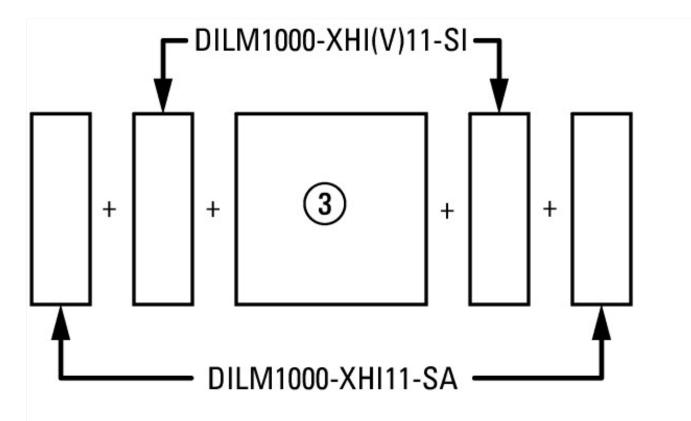
Rated operation power NEMA	kW	55
Modular version		No
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Type of electrical connection of main circuit		Screw connection
Number of normally closed contacts as main contact		0
Number of main contacts as normally open contact		3

Approvals

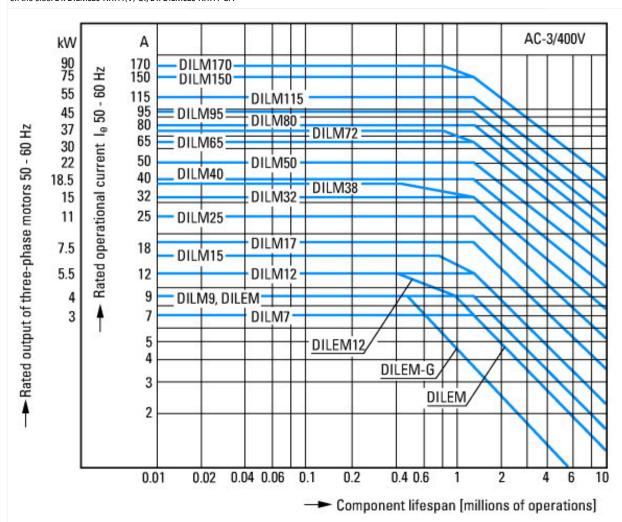
Product Standards	IEC/EN 60947-4-1; UL 60947-4-1; CSA - C22.2 No. 60947-4-1-14; CE marking
UL File No.	E29096
UL Category Control No.	NLDX
CSA File No.	012528
CSA Class No.	2411-03, 3211-04
North America Certification	UL listed, CSA certified
Specially designed for North America	No



- 1: Overload relay 2: Suppressor 3: Auxiliary contact modules



on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-XHI11-SA



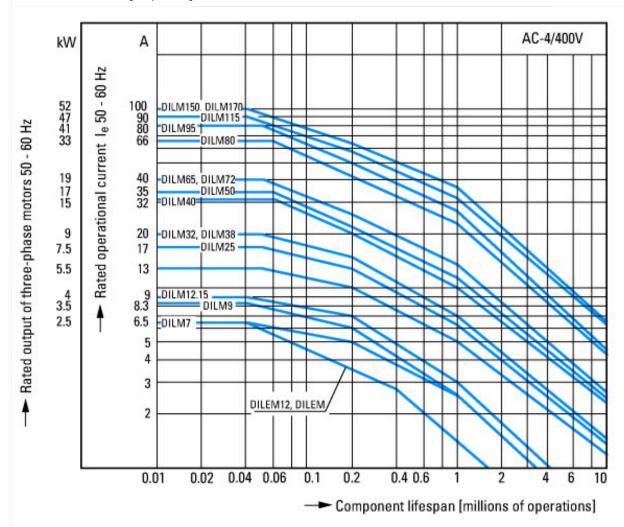
Squirrel-cage motor
Operating characteristics
Starting:from rest
Stopping:after attaining full running speed
Electrical characteristics
Make: up to 6 x rated motor current
Break: up to 1 x rated motor current
Utilization category
100 % AC-3

Typical applications

Compressors Lifts Mixers Pumps Escalators Agitators Fans Conveyor belts Centrifuges Hinged flaps

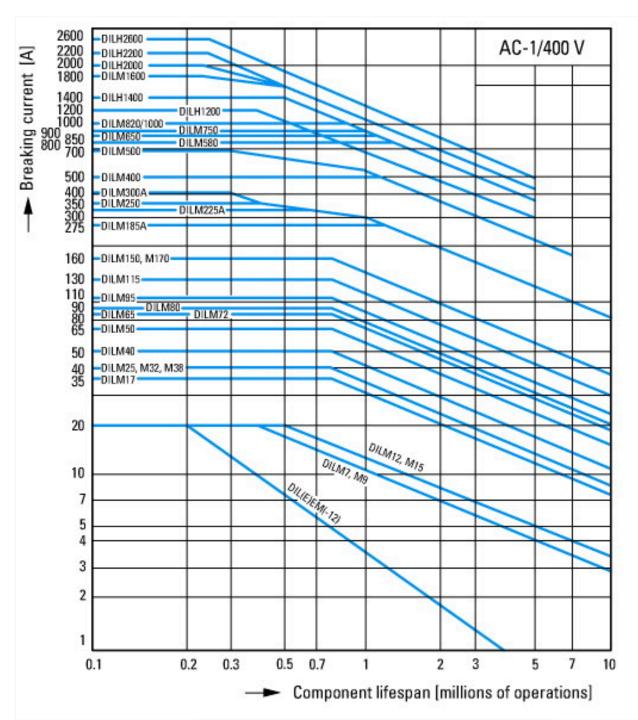
Bucket-elevators

Air conditioning system
General drives in manufacturing and processing machines



Extreme switching duty
Squirrel-cage motor
Operating characteristics
Inching, plugging, reversing
Electrical characteristics
Make: up to 6 x rated motor current
Break: up to 6 x rated motor current
Utilization category
100 % AC-4
Typical applications
Printing presses
Wire-drawing machines
Centrifuges

Special drives for manufacturing and processing machines



Switching conditions for non-motor consumers, 3 pole, 4 pole Operating characteristics
Non inductive and slightly inductive loads
Electrical characteristics
Switch on: 1 x rated operational current
Switch off: 1 x rated operational current

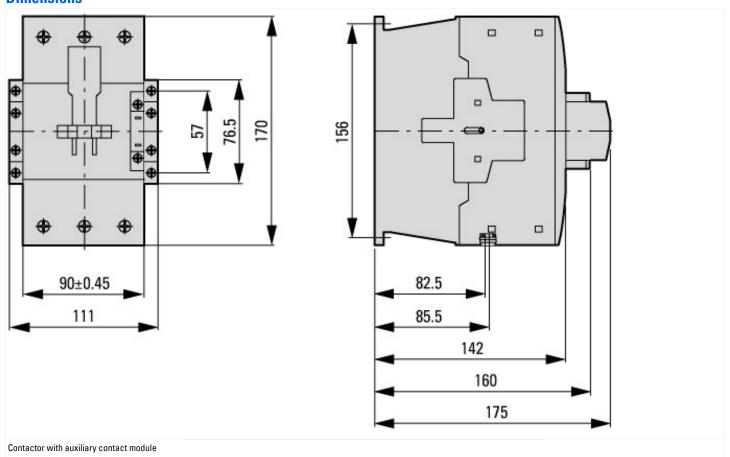
Utilization category

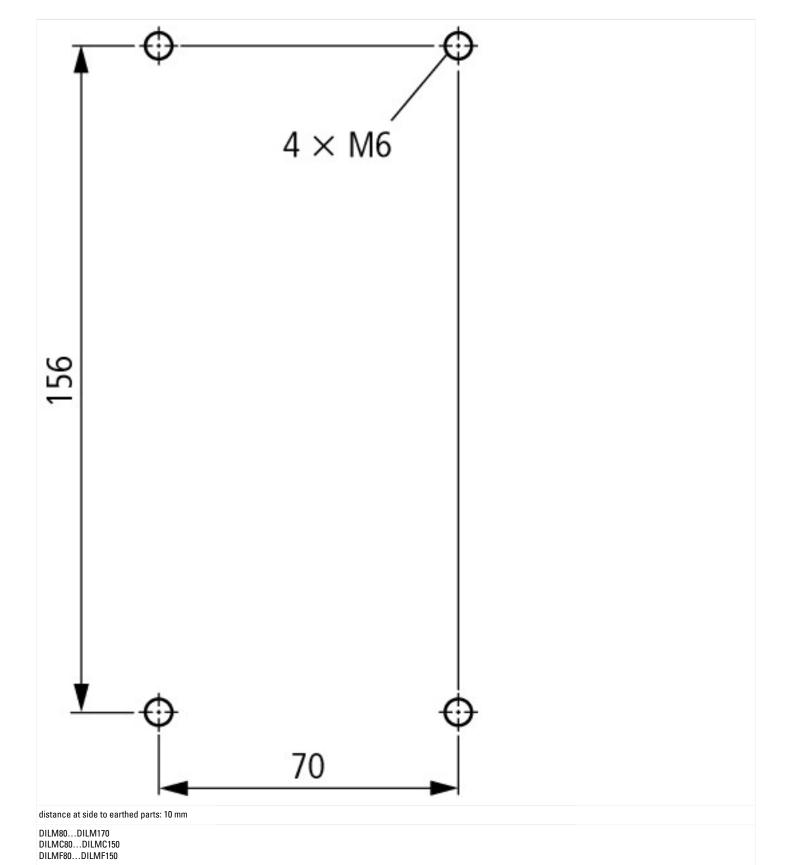
100 % AC-1

Typical examples of application

Electric heat

Dimensions





Assets (links)

Declaration of CE Conformity 00003251

Instruction Leaflets

IL03407039Z2019_09