

## Eaton 294014

Eaton Moeller® series DILK Contactor for capacitors, with series resistors, 20 kVAr, 24 V 50/60 Hz

PRODUCT NAME	Eaton Moeller® series DILK capacity contactor
CATALOG NUMBER	294014
PRODUCT LENGTH/DEPTH	138 mm
PRODUCT HEIGHT	135 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.51 kg
CERTIFICATIONS	IEC/EN 60947 VDE 0660

<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.

<b>MCAD MODEL</b>	<a href="#">eaton-dilk12-25-drawing.dwg</a>
	<a href="#">eaton-dilk12-25-3d-model.stp</a>
	<a href="#">IL03407038Z</a>

<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Series resistors
<b>OPERATING FREQUENCY</b>	120 Operations/h
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	60 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	5.4 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	1.8 W
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS</b>	0

<b>MAIN CONTACT</b>	
<b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>	3
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	0 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	29 A
<b>RATED OPERATIONAL POWER AT AC-6B, 220/230 V, 50 HZ</b>	11 kW
<b>RATED OPERATIONAL POWER AT AC-6B, 380/400 V, 50 HZ</b>	20 kW
<b>CONNECTION</b>	Screw terminals
<b>RATED OPERATIONAL POWER AT AC-6B, 525 V, 50 HZ</b>	25 kW
<b>RATED OPERATIONAL POWER AT AC-6B, 690 V, 50 HZ</b>	33.3 kW
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	2.1 W
<b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b>	22 ms
<b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b>	16 ms

<b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b>	14 ms
<b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN</b>	8 ms
<b>APPLICATION</b>	Contactors for power factor correction
<b>PRODUCT CATEGORY</b>	DILK Contactors for capacitors
<b>PROTECTION</b>	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>RATED SWITCH CURRENT</b>	29 A
<b>OPERATING VOLTAGE AT AC, 50 HZ - MIN</b>	230 V
<b>OPERATING VOLTAGE AT AC, 50 HZ - MAX</b>	690 V
<b>OPERATING VOLTAGE AT AC, 60 HZ - MIN</b>	230 V
<b>OPERATING VOLTAGE AT AC, 60 HZ - MAX</b>	690 V
<b>RATED BLIND POWER AT 400 V, 60 HZ</b>	20 kVAR
<b>ARCING TIME</b>	10 ms
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Screw connection
<b>VOLTAGE TYPE</b>	AC
<b>DEGREE OF PROTECTION</b>	IP00
<b>DROP-OUT VOLTAGE</b>	AC operated: 0.6 - 0.3 x UC, AC operated
<b>DUTY FACTOR</b>	100 %
<b>EMITTED INTERFERENCE</b>	According to EN 60947-1
<b>INTERFERENCE IMMUNITY</b>	According to EN 60947-1
<b>LIFESPAN, ELECTRICAL</b>	150,000 Operations
<b>MAKING CAPACITY WITHOUT DAMPING (I-PEAK VALUE)</b>	180 x Ie
<b>PICK-UP VOLTAGE</b>	0.8 - 1.1 V AC x Uc

<b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>	59 VA, Dual-frequency coil in a cold state and 1.0 x Us  65 VA, Dual-frequency coil in a cold state and 1.0 x Us
<b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>	59 VA, Dual-frequency coil in a cold state and 1.0 x Us  65 VA, Dual-frequency coil in a cold state and 1.0 x Us
<b>POWER CONSUMPTION, SEALING, 50 HZ</b>	2.1 W, Dual-frequency coil in a cold state and 1.0 x Us
<b>POWER CONSUMPTION, SEALING, 60 HZ</b>	2.1 W, Dual-frequency coil in a cold state and 1.0 x Us  9.6 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 7 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
<b>RATED BLIND POWER</b>	20 kvar
<b>RATED OPERATIONAL CURRENT (IE)</b>	29 A at 525 V (three-phase capacitors, open) 26 A at 525 V (three-phase capacitors, enclosed) 29 A at 230 V (three-phase capacitors, open) 29 A at 690 V (three-phase capacitors, open) 26 A at 230 V (three-phase capacitors, enclosed) 29 A at 400 V (three-phase capacitors, open) 26 A at 400 V (three-phase capacitors, enclosed) 26 A at 690 V (three-phase capacitors, enclosed)
<b>SPECIAL PURPOSE RATING OF CAPACITOR SWITCHING</b>	20 kVar, 480 V 60 Hz 3phase, (UL/CSA) 30 kVar, 600 V 60 Hz 3phase, (UL/CSA) 28 A, 600 V 60 Hz 3phase, (UL/CSA) 12 kVar, 240 V 60 Hz 3phase, (UL/CSA) 28 A, 480 V 60 Hz 3phase, (UL/CSA) 28 A, 240 V 60 Hz 3phase, (UL/CSA)
<b>TERMINAL CAPACITY (STRANDED)</b>	1 x 16 mm <sup>2</sup> , Main cables
<b>TERMINAL CAPACITY</b>	1 x (0.75 - 16) mm <sup>2</sup> , Main

<b>(FLEXIBLE WITH FERRULE)</b>	cables
<b>TERMINAL CAPACITY (SOLID)</b>	1 x (0.75 - 16) mm <sup>2</sup> , Main cables
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 6, Main cables

<b>PROJECT NAME:</b>
<b>PROJECT NUMBER:</b>
<b>PREPARED BY:</b>
:



Eaton House  
30 Pembroke Road  
Dublin 4,  
Eaton.com  
© 2025

Follow us on social media to get the latest product and support information.

