Contactor, 3 pole, 380 V 400 V 75 kW, RAC 240: 190 - 240 V 50/60 Hz, AC operation, Screw terminals



Part no. DILM150(RAC240)

239588

**EL Number** 

4134058

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(Norway)	
Product name	Eaton Moeller® series DILM contactor
Part no.	DILM150(RAC240)
EAN	4015082395889
Product Length/Depth	160 millimetre
Product height	170 millimetre
Product width	90 millimetre
Product weight	2.25 kilogram
Certifications	CSA UL CSA-C22.2 No. 60947-4-1-14 VDE 0660 IEC/EN 60947 CE CSA File No.: 012528 UL File No.: E29096 IEC/EN 60947-4-1 UL 60947-4-1 CSA Class No.: 2411-03, 3211-04 UL Category Control No.: NLDX
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012
Fitted with:	Suppressor circuit in actuating electronics
Application	Contactors for Motors
Degree of protection	IP00
Frame size	FS4
Lifespan, mechanical	10,000,000 Operations (AC operated)
Operating frequency	3600 mechanical Operations/h (AC operated)
Overvoltage category	III
Pollution degree	3
Product category	Contactors
Protection	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
Rated impulse withstand voltage (Uimp)	8000 V AC
Residual current	1 mA (with actuation of A1 - A2 by the electronics with "0" signal)
Resistance per pole	0.6 mΩ
Suitable for	Also motors with efficiency class IE3
Utilization category	AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Voltage type	AC
Shock resistance	7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms

Altitude	Max. 2000 m
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	0° ℃
Ambient operating temperature (enclosed) - min	25 °C
Ambient operating temperature (enclosed) - max	40 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Emitted interference	According to EN 60947-1
Interference immunity	According to EN 60947-1
Terminal capacity (copper band)	$2 \times (6 \times 16 \times 0.8)$ mm (Number of segments x width x thickness), Main cables
Terminal capacity (flexible with ferrule)	$2 \times (0.75 - 2.5)$ mm², Control circuit cables $1 \times (10 - 95)$ mm², Main cables $2 \times (10 - 70)$ mm², Main cables $1 \times (0.75 - 2.5)$ mm², Control circuit cables
Terminal capacity (solid)	1 x (0.75 - 4) mm², Control circuit cables 2 x (0.75 - 2.5) mm², Control circuit cables
Terminal capacity (solid/stranded AWG)	18 - 14, Control circuit cables Single 83/0, double 82/0, Main cables
Terminal capacity (stranded)	1 x (16 - 95) mm <sup>2</sup> , Main cables 2 x (16 - 70) mm <sup>2</sup> , Main cables
Stripping length (main cable)	24 mm
Stripping length (control circuit cable)	10 mm
Screw size	M10, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables 5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables
Screwdriver size	2, Terminal screw, Control circuit cables, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdrive
Tightening torque	14 Nm, Screw terminals, Main cables 1.2 Nm, Screw terminals, Control circuit cables
Rated breaking capacity at 220/230 V	1500 A
Rated breaking capacity at 380/400 V	1500 A
Rated breaking capacity at 500 V	1500 A
Rated breaking capacity at 660/690 V	1200 A
Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	190 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	150 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	150 A
Rated operational current (Ie) at AC-3, 440 V	150 A
Rated operational current (Ie) at AC-3, 500 V	150 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	100 A
Rated operational current (le) at AC-4, 220 V, 230 V, 240 V	65 A
Rated operational current (Ie) at AC-4, 440 V	65 A
Rated operational current (Ie) at AC-4, 500 V	65 A
Rated operational current (Ie) at AC-4, 660 V, 690 V	50 A
Rated operational current (Ie) at DC-1, 60 V	160 A
Rated operational current (Ie) at DC-1, 110 V	160 A
Rated operational current (le) at DC-1, 220 V	90 A
Rated insulation voltage (Ui)	690 V
Rated making capacity up to 690 V (cos phi to IEC/EN 60947)	2100 A
Rated operational power at AC-3, 240 V, 50 Hz	52 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	75 kW
Rated operational power at AC-3, 415 V, 50 Hz	91 kW
Rated operational power at AC-3, 440 V, 50 Hz	95 kW
	00 100
Rated operational power at AC-3, 500 V, 50 Hz	110 kW

20 kW
22 kW
39 kW
41 kW
47 kW
48 kW
690 V
10 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA) 600 A, max. Fuse, SCCR (UL/CSA)
65 kA, CB, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA)
30/100 kA, Fuse, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA)
250 A gG/gL
360 A
144 A
170 A
160 A
400 A
225 A, Maximum motor rating (UL/CSA)
15 ms
AC operated: 0.6 - 0.25 x UC, AC operated
100 %
0.8 - 1.15 V AC x Uc
180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
2.3 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz 3.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
190 V
240 V
190 V
240 V
0 V
0 V
28 ms
33 ms
35 ms
41 ms
10 HP
50 HP
30 HP
30 HP 60 HP

provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	Connection	Screw terminals
Series outsides of auxiliary contracts (normally apen contacts)  Series localism  Series in a contact (normally apen contacts)  Series in purpose rating of hallast electrical discharge harpos  104 A 1600 V MA 2, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  819 V AC, Between the contracts, According to EN 61140  820 V AC, Between the contracts, According to EN 61140  830 V AC, Between the contracts, According to EN 61140  830 V B V AC, Between the Contracts, According to EN 61140  830 V B V AC, Between the Contracts, According to EN 61140  830 V B V AC, Between the Contracts, According to EN 61140  831 V B V AC, Between the contracts, According to EN 61140  832 V B V AC, Between the contracts, According to EN 61140  833 V B V AC, Between the Contracts, According to EN 61140  834 V B V B V B V B V B V B V B V B V B V	Connection to SmartWire-DT	No
Number of auxiliary contracts insumally open custacts!  Safe isolation  689 V.A.C. Between the contacts, According to EN 61140 6817 V.A.C. Between the contacts and according to EN 61140 6817 V.A.C. Between the contacts and according to EN 61140 6817 V.A.C. Between the contacts and according to EN 61140 6817 V.A.C. Between the contact and according to End 61140 681	Number of auxiliary contacts (permally closed contacts)	0
Sarie isolateion  600 V AC, Beowers the centacts, According to EN 1140 601 V AC, Beowers the cintacts, According to EN 1140 601 V AC, Beowers and and contacts, According to EN 1140 601 V AC, Beowers and and contacts, According to EN 1140 601 V AC, Beowers and and contacts, According to EN 1140 602 V AC, Beowers and and contacts, According to EN 1140 603 V AC, Beowers and of the Johnson, 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I phissoly 100 A (400 V 601 t January 277 V 601 t I January 277 V 601 t I January 277 V 601 t January 27		
Special purpose rating of ballest electrical discharge lamps  100 A RROW 6891 a phases, 347V 6891r I phases  100 A RROW 6891 a phases, 347V 6891r I phases  100 A RROW 6891 a phases, 77V 6891r I phases  100 A RROW 6891 a phase, 77V 6891r I phases  100 A RROW 6891 a phase, 77V 6891r I phases  100 A RROW 6891 a phase, 77V 6891r I phases  100 A RROW 6891 a phase, 77V 6891r I phases  100 A RROW 6891 a phase, 77V 6891r I phases  100 A RROW 6891 a phase, 100 A RROW 6891 a p	Number of auxiliary contacts (normally open contacts)	U
Special purpose rating of definite purpose rating  100.4 (ARM Viol 1923-phill committed years ace to UL 1995, (ULCSA) Special purpose rating of elevator control  200.4 (EAA 400 V 69 112-phill (ULCSA) 300.4 (EAA 400 V 69 11	Safe isolation	
300 A, LAS A80 V SR 12-5 ph. 100,000 cycles acc. to UL 1995, (ULCSA) Special purpose rating of elevator control  \$150 Per (BM V SR 12-5 ph. ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. (ULCSA) \$19.4 A, 600 V 60 H 5-2 ph. 600 Cycles acc. \$10.4 A, 600 V 60 H 5-2	Special purpose rating of ballast electrical discharge lamps	
Special purpose rating of refigeration control (CSA only)  Special purpose rating of resistance air heating  180.4 A 600 V 80 Hz 3-ph. (LUCSA)  Special purpose rating of tresistance air heating  180.4 A 600 V 80 Hz 3-ph. see, (CSA)  30.4 LA 480 V 80 Hz 3-ph. (LUCSA)  Special purpose rating of tresistance air heating  180.4 A 600 V 80 Hz 3-ph. see, (CSA)  30.4 LA 480 V 80 Hz 3-ph. see,	Special purpose rating of definite purpose rating	
SPA LEA 480 V 60 Hz 2phase; (CSA) 90 A. PLA 480 V 60 Hz 2phase; (C		99 A, 600 V 60 Hz 3-ph, (UL/CSA) 104 A, 240 V 60 Hz 3-ph, (UL/CSA) 40 HP, 240 V 60 Hz 3-ph, (UL/CSA) 30 HP, 200 V 60 Hz 3-ph, (UL/CSA) 96 A, 480 V 60 Hz 3-ph, (UL/CSA) 100 HP, 600 V 60 Hz 3-ph, (UL/CSA) 92 A, 200 V 60 Hz 3-ph, (UL/CSA)
160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)  Special purpose rating of tungsten incandescent lamps  160 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)  160 A, 460 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)  160 A, 460 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)  160 A, 460 V 60 Pt 2phase, (UL/CSA)  160 A, 460 V 60 Pt 2phase, (UL/CSA)  160 A, 460 V 60 Pt 2phase, (UL/CSA)  160 A, 460 V 60 V 60 Pt 2phase, (UL/CSA)  160 A, 460 V 60		540 A, LRA 480 V 60 Hz 3phase; (CSA) 90 A, FLA 600 V 60 Hz 3phase; (CSA) 90 A, FLA 480 V 60 Hz 3phase; (CSA)
Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss OW Heat dissipation capacity Pdiss OW Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid 10.7 W Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvis 2.3 W Meets the product standard's requirements.  Meets the product standard's requirements.  10.2.2.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3.1 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (IV) radiation Meets the product standard's requirements.  10.2.5 Mechanical impact 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.  10.6 Incorporation of switching devices and components See the panel builder's responsibility.  10.7 Protection against electric shock See the panel builder's responsibility.  10.8 Connections for external conductors See the panel builder's responsibility.  10.9 Protection against electric strength See the panel builder's responsibility.  10.9 Protection against electric strength See the panel builder's responsibility.  10.9 Protection against electric strength See the panel builder	Special purpose rating of resistance air heating	
Heat dissipation capacity Pdiss Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 2.3 W Meets this product standard's requirements.  10.2.3 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3.1 Verification of resistance of insulating materials to normal heat 10.2.3.1 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of the male stability of enclosures 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Cloarances and crepaged distances 10.4 Cloarances and crepaged distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Internal electrical circuits and connections 10.9 Internal electrical circuits and connections 10.1 Internal electrical circuits and connections 10.2 Internal electrical circuits and connections 10.3 Impulse withstand voltage 10.4 Testing of enclosures made of insulating material 10.9 Internal electrical circuits and connections 10.1 Internal electrical circuits and con	Special purpose rating of tungsten incandescent lamps	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs  10.2.3 W  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3.0 Egere of protection of assemblies  10.4.1 Clearances and creepage distances  10.4.2 Clearances and creepage distances  10.4.3 Foreign of switching devices and components  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Is the panel builder's responsibility.  10.9 2 Power-frequency electric strength  10.9 2 Power-frequency electric strength  10.9 3 Impulse withstand voltage  10.9 4 Testing of enclosures made of insulating material  10.1 Temperature rise  10.1 Internal electrical circuits and connections  10.3 Impulse virthstand voltage  10.4 Electromagnetic compatibility  10.5 The panel builder's responsibility.  10.6 The panel builder's responsibility.  10.7 The panel builder's responsibility.  10.8 The panel builder's responsibility.  10.9 The panel builder's responsibility.  10.1 The panel builder's responsibility.  10.1 The panel builder's responsibility. The specifications for the switchgear multipart observed.	Equipment heat dissipation, current-dependent Pvid	32.1 W
Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Lead of the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  It the panel builder's responsib	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-ourrent-dependent Pvs  10.2.2 Corrosion resistance  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  In th	Heat dissipation per pole, current-dependent Pvid	10.7 W
Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  In the panel builder's responsibility. The specifications for the switchgear multiposerved.	Rated operational current for specified heat dissipation (In)	150 A
Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  The panel builder's responsibility. The specifications for the switchgear much served.  Is the panel builder's responsibility. The specifications for the switchgear much served.	Static heat dissipation, non-current-dependent Pvs	2.3 W
Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Intern	10.2.2 Corrosion resistance	Meets the product standard's requirements.
Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.2.8 Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  10.2.8 Meets the product standard's requirements.  10.3.0 Does not apply, since the entire switchgear needs to be evaluated.  10.4.1 Clearances and creepage distances  10.5 Protection of assemblies  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Inpulse withstand voltage  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.14 Electromagnetic compatibility  10.15 Electromagnetic compatibility  10.16 The panel builder's responsibility. The specifications for the switchgear medito specifications for the switchgear meditospecifications for the switchg	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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.  10.9.2 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  10.10 Temperature rise  The panel builder's responsibility.  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiposerved.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The panel builder's responsibility.  The panel builder is responsibility.  The specifications for the switchgear me observed.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The specifications for the switchgear me observed.	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.	10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.14 Electromagnetic compatibility  10.15 He panel builder's responsibility. The specifications for the switchgear multiple observed.  10.15 Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.2.7 Inscriptions	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  In panel builder's responsibility.  The panel builder is responsibility.  In panel builder's responsibility.  Is the panel builder's responsibility.  In panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  In the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
Is the panel builder's responsibility.  In panel builder is responsibility.  In panel builder is responsibility.  Is the panel builder is responsibility.  In panel builder is responsibility.  Is the panel builder is responsibility. The specifications for the switchgear multiple observed.  In panel builder's responsibility. The specifications for the switchgear multiple observed.	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
Is the panel builder's responsibility.  In the panel builder's responsibility.  The panel builder is responsibility.  The panel builder is responsibility for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  In the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
Is the panel builder's responsibility.  In 10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  In 10.9.4 Testing of enclosures made of insulating material  In 10.10 Temperature rise  In 10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  In 11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  In 11 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  10.11 Short-circuit rating  15 the panel builder's responsibility. The specifications for the switchgear multiple observed.  10.12 Electromagnetic compatibility  18 the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
The panel builder is responsible for the temperature rise calculation. Eaton we provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.		The panel builder is responsible for the temperature rise calculation. Eaton will
10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear multiple observed.		provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must
III I3 Mechanical function  The device meets the requirements provided the information in the instruction	10.13 Mechanical function	observed.  The device meets the requirements, provided the information in the instruction

## **Technical data ETIM 8.0**

Low-voltage industrial components (EG000017) / Power contactor, AC switc	hing (EC000066)		
Electric engineering, automation, process control engineering / Low-voltag	e switch technology ,	Contacto	r (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])
Rated control supply voltage Us at AC 50HZ		V	190 - 240
Rated control supply voltage Us at AC 60HZ		٧	190 - 240
Rated control supply voltage Us at DC		٧	0 - 0
Voltage type for actuating			AC
Rated operation current le at AC-1, 400 V		Α	190
Rated operation current le  at AC-3, 400 V		Α	150
Rated operation power at AC-3, 400 V		kW	75
Rated operation current le at AC-4, 400 V		Α	65
Rated operation power at AC-4, 400 V		kW	33
Rated operation power NEMA		kW	93
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 normally open contacts as main contact			3