DATASHEET - DILM170(RAC120)



Contactor, 3 pole, 380 V 400 V 90 kW, RAC 120: 100 - 120 V 50/60 Hz, AC operation, Screw terminals



Part no.	
EL Number	
(Norway)	

DILM170(RAC120) 107012 4130442

General specifications

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Product name	Eaton Moeller® series DILM contactor
Part no.	DILM170(RAC120)
EAN	4015081067800
Product Length/Depth	160 millimetre
Product height	170 millimetre
Product width	90 millimetre
Product weight	2.25 kilogram
Certifications	CSA Class No.: 2411-03, 3211-04 UL Category Control No.: NLDX UL IEC/EN 60947 CSA VDE 0660 CSA-C22.2 No. 60947-4-1-14 CE UL File No.: E29096 IEC/EN 60947-4-1 UL 60947-4-1 CSA File No.: 012528
Product Tradename	DILM
Product Type	Contactor
Product Sub Type	None
Catalog Notes	Contacts according to EN 50012
Features & Functions	
Fitted with:	Suppressor circuit in actuating electronics
General information	
Application	Contactors for Motors
Connection	Screw terminals
Degree of protection	IP00
Frame size	FS4
Lifespan, mechanical	10,000,000 Operations (AC operated)
Operating frequency	3000 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)	2008 V AC
Residual current	1 mA (with actuation of A1 - A2 by the electronics with "0" signal)
Resistance per pole	0.6 mΩ
Utilization category	AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-3: Normal AC induction motors: starting, switch off during running
Voltage type	AC
Ambient conditions, mechanical	
Shock resistance	7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms

Climatic environmental conditions Max 2000 m Abitude Max 2000 m Anbient operating temperature - min 5° ° Anbient operating temperature (enclosed) - min 0° ° Anbient operating temperature (enclosed) - min 0° ° Anbient operating temperature (enclosed) - min 0° ° Anbient operating temperature (enclosed) - max 0° ° Anbient operating temperature - max 0° ° Anbient operating temperature - max 0° ° Climatic proteing 80° ° Climatic tornage temperature - max 0° ° Iterference immunity 0° ° Terminal capacity (copper band) 1× (0.75 - 4) mr. [°] (Cortrud circuit cables Terminal capacity (solid/stranded AWE) 1× (0.75 - 4) mr. [°] (Cortrud circuit cables Iterminal capacity (solid/stranded AWE) 1× (0.75 - 4) mr. [°]		5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms
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Interference immunity According to EN 6690-1 Terminal capacity (copper band) Immunity Immu	Electro magnetic compatibility	
Terminal capacity (copper band) 2 < (8 × 18 × 0.8) mm (Maner of segments with x hickness), Main cables Terminal capacity (toold) 2 < (8 × 18 × 0.8) mm (Am cables)	Emitted interference	According to EN 60947-1
Terminal capacity (looper band)Z (8 x 18 x 8) nm (Number of segments x with x thickness), Main cablesTerminal capacity (looked)1, 10, 25 - 23 mm, Control circuit cables 1, 10, 20 mm, Main cablesStropping (hingh) (contral circuit cable)10, 10, 20 mm, Main cablesStropping (hingh) (contral circuit cables 1, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	Interference immunity	According to EN 60947-1
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Teminal capacity (leaded with form(a))Image: 18 (07 - 21 amf, Control circuit cables 3 (10 - 25 amf, Control circuit cables) 3 (10 - 25 amf, Control circuit cables 3 (10 - 25 amf, Control circuit cables) 3 (10 - 25 amf, Control circuit cables 3 (10 - 25 amf, Control circuit cables) 3 (10 - 25	Terminal capacity (copper band)	2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables
I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I minind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild - Simmind Lapachy (solid) I wild wild wild - Simmind Lapachy (solid) I wi	Terminal capacity (flexible with ferrule)	
Immini capachy (solidstranded AWB) 2 × 05 - 25 m/m, Control circuit cables Immini capachy (solidstranded AWB) 5 + 14, Certed circuit cables Immini capachy (standed) 2 × 05 - 28 m/m, Main cables Stroping length insin cablel 2 × 05 - 28 m/m, Main cables Stroping length insin cable 2 × 05 - 20 m/m, Main cables Stroping length insin cable 2 × 05 - 20 m/m, Main cables Stroping length insin cable 2 × 05 - 20 m/m, Main cables Stroping length insin cables 2 × 05 - 20 m/m, Main cables Stroping length insin cables 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables Strow size 2 × 05 - 20 m/m, Main cables <		1 x (10 - 95) mm², Main cables
Imminil capacity (stranded) 1x 16: 99 mm ² , Min cables Stripping length (main cable) 2 mm Stripping length (control circuit cable) 0 mm Stropping length (control circuit cable) 0 mm Stropping length (control circuit cable) 0 mm Stropping length (control circuit cable) 0 mm Strowdriver size 0 mm Tightening torque 0 mm Tightening torque 12 Nm, Screw terminals, control circuit cables Rand braking capacity at 280/200 V 12 Nm, Screw terminals, Control circuit cables Rand braking capacity at 280/200 V 12 Nm, Screw terminals, Control circuit cables Rand braking capacity at 280/200 V 12 Nm, Screw terminals, Main cables Rand braking capacity at 380/400 V 12 Nm, Screw terminals, Main cables Rand braking capacity at 380/400 V, 415 V 1500 A Rand operational current (le) at AC-3, 280 V, 200 V, 415 V 120 A Rand operational current (le) at AC-3, 280 V, 200 V, 415 V 120 A Rand operational current (le) at AC-3, 800 V, 400 V 120 A Rand operational current (le) at AC-3, 800 V, 400 V 120 A Rand operational current (le) at AC-4, 400 V 140 A	Terminal capacity (solid)	1 x (0.75 - 4) mm ² , Control circuit cables 2 x (0.75 - 2.5) mm ² , Control circuit cables
Number of the second	Terminal capacity (solid/stranded AWG)	
Stripping length control circuit cables) Imm Screw size Sin Summing screw, Control circuit cables, Sindard screw, Main cables Tightening torque Imming screw, Control circuit cables, Padrify screw, Main cables Electrical rating Imming screw, Main cables Rated breaking capacity at S20/200 V Imming screw, Main cables Rated breaking capacity at S20/200 V Imming screw, Main cables Rated breaking capacity at S20/200 V Imming screw, Main cables Rated preational current (lei) at AC-1, 380 V, 400 V, 415 V Imming screw, Main cables Rated operational current (lei) at AC-3, 380 V, 400 V, 415 V Imming screw, Main cables Rated operational current (lei) at AC-3, 380 V, 400 V, 415 V Imming screw, Main cables Rated operational current (lei) at AC-3, 380 V, 400 V, 415 V Imming screw, Main cables Rated operational current (lei) at AC-3, 380 V, 400 V, 415 V Imming screw, Main cables Rated operational current (lei) at AC-4, 380 V, 400 V, 415 V Imming screw, Main cables	Terminal capacity (stranded)	
Screwsize M35, Terminal screw, Control circuit cables Screwsize Strewsitiver size Screwsitiver size 2, Terminal screw, Main cables Tightening torque 2, Terminal screw, Control circuit cables, Standard screwsidreer Tightening torque 1, 2, Nr., Screw terminals, Control circuit cables, Standard screwsidreer Rated breaking capacity at 220/230 V 1000 A Rated breaking capacity at 220/230 V 1000 A Rated breaking capacity at 220/230 V 1000 A Rated breaking capacity at 800/900 V 1000 A Rated breaking capacity at 800/900 V 1000 A Rated breaking capacity at 800/900 V 1000 A Rated preational current [14] at AC-3, 230 V, 200 V, 200 V 1000 A Rated operational current [14] at AC-3, 230 V, 200 V, 200 V 170 A Rated operational current [14] at AC-3, 200 V, 200 V, 200 V 170 A Rated operational current [14] at AC-3, 200 V, 200 V, 200 V 170 A Rated operational current [14] at AC-3, 200 V, 200 V, 200 V 170 A Rated operational current [16] at AC-3, 200 V, 200 V 170 A Rated operational current [16] at AC-3, 200 V, 200 V 170 A Rated operational current [16] at AC-4, 200 V, 200 V, 200 V 170 A	Stripping length (main cable)	24 mm
Sime AF, Hexagon Socket-head spanner, Terminal screw, Main cables Screwdriver size Corrental screw, Control circuit cables, Pozidriv screwdriver Tightening torque Corrental screw, Control circuit cables, Pozidriv screwdriver Tightening torque Corrental screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand AF, Mexagon Corrental screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand AF, Mexagon Corrental Screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand AF, Mexagon Corrental Screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand AF, Mexagon Corrental Screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand AF, Mexagon Corrental Screw, Control circuit cables, Pozidriv screwdriver Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity at S00 Stand Screw terminals, Main cables Red braking capacity a	Stripping length (control circuit cable)	10 mm
Initiation guarges Disk x 5,1 x 6 mm, Terminals correx, Control circuit cables, Standard screewdrive Initiating targes Initiation guarges Initiation guarges <t< td=""><td>Screw size</td><td>5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables</td></t<>	Screw size	5 mm AF, Hexagon socket-head spanner, Terminal screw, Main cables
IA Mm, Screw terminals, Main cablesElectrical ratingIA Mm, Screw terminals, Main cablesReted breaking capacity at 220/230 VISOD ARated breaking capacity at 330/400 VISOD ARated breaking capacity at 500 VISOD ARated breaking capacity at 660/690 VISOD ARated operational current (le) at AC-3, 200 V, 200 V, 415 VISOD ARated operational current (le) at AC-3, 380 V, 400 V, 415 VISOD ARated operational current (le) at AC-3, 380 V, 400 V, 415 VISOD ARated operational current (le) at AC-3, 380 V, 400 V, 415 VISOD ARated operational current (le) at AC-3, 440 VISOD ARated operational current (le) at AC-3, 440 VISOD ARated operational current (le) at AC-3, 400 VISOD ARated operational current (le) at AC-4, 200 V, 230 V, 240 VISOD ARated operational current (le) at AC-4, 400 VISOD ARated operational current (le) at AC-4, 600 V, 500 VISOD ARated operational current (le) at AC-4, 600 V, 500 VISOD ARated operational current (le) at AC-4, 600 V, 500 VISOD ARated operational current (le) at AC-3, 200 V, 501 V<	Screwdriver size	
Rated breaking capacity at 220/230 V1500 ARated breaking capacity at 380/400 V1500 ARated breaking capacity at 360/890 V1500 ARated breaking capacity at 660/890 V1320 ARated operational current (le) at AC-1, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 220 V, 230 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 660 V, 690 V170 ARated operational current (le) at AC-4, 200 V, 230 V, 240 V170 ARated operational current (le) at AC-3, 660 V, 690 V100 ARated operational current (le) at AC-4, 400 V65 ARated operational current (le) at AC-4, 400 V65 ARated operational current (le) at AC-4, 600 V, 690 V65 ARated operational current (le) at AC-4, 680 V, 690 V65 ARated operational current (le) at AC-4, 690 V, 690 V65 ARated operational current (le) at AC-4, 690 V, 690 V60 ARated operational current (le) at AC-4, 690 V, 690 V60 ARated operational current (le) at AC-4, 690 V, 690 V60 ARated operational current (le) at CC-1, 100 V60 ARated operational current (le) at CC-1, 50 V60 ARated operational current (le) at CC-1, 50 V60 ARated operational current (le) at CC-1, 50 V70 ARated operational current (le) at CC-1, 50 V70 ARated operational current (le) at CC-1, 50 V70 ARated operational current (le) at CC-1, 50 V	Tightening torque	
Rated breaking capacity at 380/400 V1500 ARated breaking capacity at 560/590 V1500 ARated breaking capacity at 660/590 V1320 ARated operational current (le) at AC-1, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 220 V, 230 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 660 V, 690 V100 ARated operational current (le) at AC-4, 400 V165 ARated operational current (le) at AC-4, 600 V, 690 V166 ARated operational current (le) at AC-4, 660 V, 690 V160 ARated operational current (le) at AC-4, 680 V, 690 V160 ARated operational current (le) at AC-4, 680 V, 690 V160 ARated operational current (le) at AC-4, 680 V, 690 V160 ARated operational current (le) at AC-4, 680 V, 690 V160 ARated operational current (le) at AC-4, 680 V, 690 V160 ARated operational current (le) at AC-4, 500 V170 ARated operational current (le) at AC-4, 500 V160 ARated operational current (le) at AC-4, 500 V160 ARated operational current (le) at AC-4, 500 V160 ARated operational current (le) at AC-4, 500 V170 ARated operational current (le)	Electrical rating	
Rated breaking capacity at 500 V1500 ARated breaking capacity at 660/990 V1320 ARated operational current (le) at AC-1, 380 V, 400 V, 415 V225 ARated operational current (le) at AC-3, 220 V, 220 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 500 V100 ARated operational current (le) at AC-4, 200 V, 220 V, 240 V55 ARated operational current (le) at AC-4, 500 V50 ARated operational current (le) at DC-1, 10 V160 ARated operational current (le) at DC-1, 10 V590 VRated operational current (le) at DC-1, 200 V590 VRated operational current (le) at DC-1, 50 V500 ARated operational power at AC-3, 380, 400 V, 50 Hz500 ARated operational power at AC-3, 380, 400 V, 50 Hz500 ARated operational power at AC-3, 415 V, 50 Hz50 KWRated operational power at AC-3, 415 V, 50 Hz50 KWRated operational power at AC-3, 415 V, 50 Hz50 KW <td>Rated breaking capacity at 220/230 V</td> <td>1500 A</td>	Rated breaking capacity at 220/230 V	1500 A
Rated operational current (le) at AC-1, 380 V, 400 V, 415 V1320 ARated operational current (le) at AC-3, 320 V, 230 V, 240 V225 ARated operational current (le) at AC-3, 220 V, 230 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 560 V, 560 V170 ARated operational current (le) at AC-3, 560 V, 560 V100 ARated operational current (le) at AC-4, 220 V, 230 V, 240 V56 ARated operational current (le) at AC-4, 200 V, 200 V, 200 V56 ARated operational current (le) at AC-4, 440 V56 ARated operational current (le) at AC-4, 560 V, 580 V50 ARated operational current (le) at DC-1, 60 V160 ARated operational current (le) at DC-1, 10 V160 ARated operational current (le) at DC-1, 10 V50 ARated operational current (le) at DC-1, 220 V90 ARated operational current (le) at DC-1, 220 V50 ARated operational current (le) at DC-1, 220 V90 ARated operational power at AC-3, 240 V, 50 Hz57 KWRated operational power at AC-3, 240 V, 50 Hz90 KWRated operational power at AC-3, 240 V, 50 Hz50 KWRated operational power at AC-3, 350/400 V, 50 Hz50 KW	Rated breaking capacity at 380/400 V	1500 A
Rated operational current (le) at AC-1, 380 V, 400 V, 415 V225 ARated operational current (le) at AC-3, 220 V, 230 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 560 V, 580 V170 ARated operational current (le) at AC-4, 220 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 220 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 400 V65 ARated operational current (le) at AC-4, 560 V, 580 V65 ARated operational current (le) at AC-4, 560 V, 580 V65 ARated operational current (le) at AC-4, 560 V, 580 V65 ARated operational current (le) at AC-4, 560 V, 580 V65 ARated operational current (le) at DC-1, 100 V160 ARated operational current (le) at DC-1, 110 V50 VRated operational current (le) at DC-1, 220 V90 ARated operational current (le) at DC-1, 220 V90 ARated operational power at AC-3, 240 V, 50 Hz7100 ARated operational power at AC-3, 240 V, 50 Hz90 ARated operational power at AC-3, 240 V, 50 Hz90 KWRated operational power at AC-3, 140 V, 50 Hz100 KW	Rated breaking capacity at 500 V	1500 A
Rated operational current (le) at AC-3, 280 V, 280 V, 240 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V170 ARated operational current (le) at AC-3, 400 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 500 V, 500 V170 ARated operational current (le) at AC-4, 220 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 400 V65 ARated operational current (le) at AC-4, 400 V65 ARated operational current (le) at AC-4, 500 V65 ARated operational current (le) at DC-1, 500 V65 ARated operational current (le) at DC-1, 100 V160 ARated operational current (le) at DC-1, 200 V90 ARated operational current (le) at DC-1, 200 V90 ARated operational current (le) at DC-1, 200 V100 ARated operational current (le) at DC-1, 200 V90 ARated operational power at AC-3, 240 V, 50 Hz100 ARated operational power at AC-3, 300, 400 V, 50 Hz90 KWRated operational power at AC-3, 300, 400 V, 50 Hz90 KW	Rated breaking capacity at 660/690 V	1320 A
Rated operational current (le) at AC-3, 380 V, 400 V, 415 V70 ARated operational current (le) at AC-3, 380 V, 400 V, 415 V70 ARated operational current (le) at AC-3, 500 V70 ARated operational current (le) at AC-3, 660 V, 690 V70 ARated operational current (le) at AC-4, 220 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 500 V60 ARated operational current (le) at DC-1, 100 V60 ARated operational current (le) at DC-1, 220 V90 ARated operational current (le) at DC-1, 220 V690 VRated operational current (le) at DC-1, 220 V690 VRated operational current (le) at DC-1, 220 V690 VRated operational power at AC-3, 240 V, 50 Hz7100 ARated operational power at AC-3, 240 V, 50 Hz690 VRated operational power at AC-3, 380/400 V, 50 Hz690 WRated operational power at AC-3, 380/400 V, 50 Hz7100 ARated operational power at AC-3, 380/400 V, 50 Hz600 WRated operational power at AC-3, 315 V, 50 Hz700 WRated operational power at AC-3, 415 V, 50 Hz700 WRated operational power at AC-3, 415 V, 50 Hz700	Rated operational current (Ie) at AC-1, 380 V, 400 V, 415 V	225 A
Rated operational current (le) at AC-3, 440 V170 ARated operational current (le) at AC-3, 500 V170 ARated operational current (le) at AC-3, 500 V100 ARated operational current (le) at AC-4, 200 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 440 V65 ARated operational current (le) at AC-4, 500 V65 ARated operational current (le) at DC-1, 200 V65 ARated operational current (le) at DC-1, 220 V60 ARated operational current (le) at DC-1, 200 V60 ARated operational power at AC-3, 380/400 V, 50 Hz60 ARated operational power at AC-3, 380/400 V, 50 Hz60 ARated operational power at AC-3, 380/400 V, 50 Hz60 ARated operational power at AC-3, 15 V, 50 Hz60 WRated operational power at AC-3, 15 V, 50 Hz60 W	Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	170 A
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Rated operational current (le) at AC-4, 220 V, 230 V, 240 V65 ARated operational current (le) at AC-4, 440 V65 ARated operational current (le) at AC-4, 500 V65 ARated operational current (le) at AC-4, 660 V, 690 V50 ARated operational current (le) at DC-1, 60 V160 ARated operational current (le) at DC-1, 110 V90 ARated operational current (le) at DC-1, 220 V600 VRated operational current (le) at DC-1, 220 V90 ARated operational current (le) at DC-1, 220 V2100 ARated operational current (le) at DC-1, 220 V90 ARated operational power at AC-3, 240 V, 50 Hz90 ARated operational power at AC-3, 380/400 V, 50 Hz90 KWRated operational power at AC-3, 380/400 V, 50 Hz90 KWRated operational power at AC-3, 415 V, 50 Hz90 KW	Rated operational current (Ie) at AC-3, 500 V	170 A
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Rated operational current (le) at DC-1, 220 V90 ARated insulation voltage (Ui)690 VRated making capacity up to 690 V (cos phi to IEC/EN 60947)690 VRated operational power at AC-3, 240 V, 50 Hz57 kWRated operational power at AC-3, 380/400 V, 50 Hz90 kWRated operational power at AC-3, 415 V, 50 Hz600 V	Rated operational current (Ie) at DC-1, 60 V	160 A
Rated insulation voltage (Ui)690 VRated making capacity up to 690 V (cos phi to IEC/EN 60947)690 VRated operational power at AC-3, 240 V, 50 Hz70 S7 kWRated operational power at AC-3, 380/400 V, 50 Hz90 kWRated operational power at AC-3, 415 V, 50 Hz100 kW	Rated operational current (Ie) at DC-1, 110 V	160 A
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 57 kW Rated operational power at AC-3, 380/400 V, 50 Hz 90 kW Rated operational power at AC-3, 415 V, 50 Hz 100 kW	Rated operational current (Ie) at DC-1, 220 V	90 A
Rated operational power at AC-3, 240 V, 50 Hz 57 kW Rated operational power at AC-3, 380/400 V, 50 Hz 90 kW Rated operational power at AC-3, 415 V, 50 Hz 100 kW	Rated insulation voltage (Ui)	690 V
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Rated operational power at AC-3, 415 V, 50 Hz	Rated operational power at AC-3, 240 V, 50 Hz	57 kW
	Rated operational power at AC-3, 380/400 V, 50 Hz	90 kW
Rated operational power at AC-3, 440 V, 50 Hz 105 kW	Rated operational power at AC-3, 415 V, 50 Hz	100 kW
	Rated operational power at AC-3, 440 V, 50 Hz	105 kW

Rated operational power at AC-3, 500 V, 50 Hz	120 kW
Rated operational power at AC-3, 690 V, 50 Hz	96 kW
Rated operational power at AC-4, 220/230 V, 50 Hz	20 kW
Rated operational power at AC-4, 240 V, 50 Hz	22 kW
Rated operational power at AC-4, 415 V, 50 Hz	39 kW
Rated operational power at AC-4, 440 V, 50 Hz	41 kW
Rated operational power at AC-4, 500 V, 50 Hz	47 kW
Rated operational power at AC-4, 660/690 V, 50 Hz	48 kW
Rated operational voltage (Ue) at AC - max	690 V
Short-circuit rating	
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA) 600 A, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault at 480 V)	250 A, max. CB, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault at 600 V)	30/100 kA, Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 300/600 A, Class J, max. Fuse, SCCR (UL/CSA) 350 A, max. CB, SCCR (UL/CSA)
Short-circuit protection rating (type 1 coordination) at 400 V	250 A gG/gL
Short-circuit protection rating (type 1 coordination) at 690 V	250 A gG/gL
Short-circuit protection rating (type 2 coordination) at 400 V	250 A gG/gL
Short-circuit protection rating (type 2 coordination) at 690 V	250 A gG/gL
Conventional thermal current Ith	
Conventional thermal current ith (1-pole, enclosed)	415 A
Conventional thermal current ith (3-pole, enclosed)	166 A
Conventional thermal current ith at 55°C (3-pole, open)	190 A
Conventional thermal current ith at 60°C (3-pole, open)	185 A
Conventional thermal current ith of main contacts (1-pole, open)	460 A
Switching capacity	
Switching capacity (main contacts, general use)	225 A, Maximum motor rating (UL/CSA)
Magnet system	
Arcing time	15 ms
Drop-out voltage	AC operated: 0.6 - 0.25 x UC, AC operated
Duty factor	100 %
Pick-up voltage	0.8 - 1.15 V AC × Uc
Power consumption, pick-up, 50 Hz	180 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz
Power consumption, pick-up, 60 Hz	170 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
Power consumption, sealing, 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 50 Hz
Power consumption, sealing, 60 Hz	3.1 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 60 Hz
Rated control supply voltage (Us) at AC, 50 Hz - min	100 V
Rated control supply voltage (Us) at AC, 50 Hz - max	120 V
Rated control supply voltage (Us) at AC, 60 Hz - min	100 V
Rated control supply voltage (Us) at AC, 60 Hz - max	120 V
Rated control supply voltage (Us) at DC - min	0 V
Rated control supply voltage (Us) at DC - max	0 V
Switching time (AC operated, make contacts, closing delay) - min	28 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max	28 ms 33 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min	28 ms 33 ms 35 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min Switching time (AC operated, make contacts, opening delay) - max	28 ms 33 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min	28 ms 33 ms 35 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min Switching time (AC operated, make contacts, opening delay) - max	28 ms 33 ms 35 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min Switching time (AC operated, make contacts, opening delay) - min Switching time (AC operated, make contacts, opening delay) - max Motor rating	28 ms 33 ms 35 ms 41 ms
Switching time (AC operated, make contacts, closing delay) - min Switching time (AC operated, make contacts, closing delay) - max Switching time (AC operated, make contacts, opening delay) - min Switching time (AC operated, make contacts, opening delay) - max Motor rating Assigned motor power at 115/120 V, 60 Hz, 1-phase	28 ms 33 ms 35 ms 41 ms 10 HP

Assign and program at 46,940 (9 kg, Splace 15 th? Assign and program at 46,940 (9 kg, Splace) 15 th? Assign and program at 46,940 (9 kg, Splace) 15 th? Communication 10 Communication 10 Feature of a colling contrasts (normally open canacts) 0 Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 0 Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 46,940 (9 kg, Splace) 100 (100 kg, Splace) Splace in program at 40,940 (9 kg, Splace) 100 (100 kg, Spla		
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Contraction to Simu Silve 6T No Contraction to Simu Silve 6th Contraction Contractin Contractin Contraction Contraction Contraction Contractin Con	Assigned motor power at 575/600 V, 60 Hz, 3-phase	125 HP
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Special purpose rating of definite purpose rating of elevator control 100, FLA 60 Y0 91 Hz 3h, ULCSAI 100 hz 3h, ULC	Special purpose rating of ballast electrical discharge lamps	160 A (480V 60Hz 3phase, 277V 60Hz 1phase)
Special purpose rating of elevator control URD A, LIA A680 V 90 Hr 3-ph, LIUCSAN Special purpose rating of elevator control Res Special purpose rating of elevator control Special purpose rating of elevator control Res Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control Res Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special purpose rating of elevator control (SSA enh) Special p		160 A (600V 60Hz 3phase, 347V 60Hz 1phase)
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100 A, 000 V 00 Hz zphase, 207 V 00 Hz zphase, 207 V 00 Hz zphase, UUCSA) Special purpose rating of tungsten incandescent lamps Design verification Equipment that dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation propie, current-dependent Pvid Neat dissipation propie, current-dependent Pvid Rated operational current for specified heat dissipation (In) 102.2.3 Verification of thermal stability of anclosures 102.3.1 Verification of thermal stability of anclosures 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.2 Verification of thermal stability of anclosures 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.2 Verification of resistance of insulation 102.4.2 Meass stable of insulation 102.5.1 King 102.5.1 King 102.5.1 King 102.5.1 King 102.5.1 King 102.5 King 102.6 Mechnical impact 102.6 Mechnical inpact 102.6 Mechnical inpact	Special purpose rating of refrigeration control (CSA only)	90 A, FLA 600 V 60 Hz 3phase; (CSA) 540 A, LRA 480 V 60 Hz 3phase; (CSA)
Total Array of the section of the sectin section of the section of the sectin section of the se	Special purpose rating of resistance air heating	
Equipment heat dissipation, current-dependent Pvid 11.1 W Heat dissipation capacity Pdiss 0W Heat dissipation per pole, current-dependent Pvid 12.7 W Rated operational current for specified heat dissipation (In) 12.3 W Static heat dissipation, non-current-dependent Pve 23 W 10.2.2 Corosion resistance Meets the product standard's requirements. 10.2.2 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.2.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.2.4 Meetshnical impact Does not apply, since the entire switchgear needs to be evaluated. 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 Does not apply, since the entire switchgaar needs to be evaluated. 10.2.6 Mechanical impact Does not apply, since the entire switchgaar needs to be evaluated. </td <td>Special purpose rating of tungsten incandescent lamps</td> <td></td>	Special purpose rating of tungsten incandescent lamps	
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	10.13 Mechanical function	

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC00	0066)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss13-27-37-10-03 [AAB718020])				
Rated control supply voltage AC 50 Hz	V	100 - 120		
Rated control supply voltage AC 60 Hz	V	100 - 120		
Rated control supply voltage DC	V	0 - 0		
Voltage type for actuating		AC		
Number of normally closed contacts as main contact		0		
Number of normally open contacts as main contact		3		
Type of electrical connection of main circuit		Screw connection		
Operating voltage AC 50 Hz	V	230 - 690		
Operating voltage AC 60 Hz	V	230 - 690		
Rated operation current le at AC-1, 400 V	А	225		
Rated operation current le at AC-3, 400 V	А	170		
Rated operation power at AC-3, 400 V	kW	90		
Rated operation current le at AC-4, 400 V	А	65		
Rated operation power at AC-4, 400 V	kW	33		
Rated operation power NEMA	kW	93		
Number of auxiliary contacts as normally open contact		0		
Number of auxiliary contacts as normally closed contact		0		
Modular version		No		
Width	mm	90		
Height	mm	170		
Depth	mm	160		