DATASHEET - SDAINLM200(230V50HZ,240V60HZ)



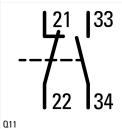
Star-delta contactor combination, 380 V 400 V: 110 kW, 230 V 50 Hz, 240 V 60 Hz, AC operation



Part no.	SDAINLM200(230V50HZ,240V60HZ)
Catalog No.	101010
Alternate Catalog	XTSD200G11F
No.	
EL-Nummer	4131010
(Norway)	

Delivery program

Product range Contactor combinations Application Standblace combinations SDAINL Accessorie Standblace combinations SDAINL Utilization category Standblace combinations SDAINL Version Standblace combinations SDAINL Nets Standblace combinations SDAINL Nets Standblace combinations SDAINL Rated operational current Acca Standblace combinations SDAINL 304 400 V Personal Methods Status personal Rate and Value Personal Methods Status personal Rate Status personal Rate and Status personal Rate Status personal Rate and Status personal Rate Rated operational current Acca Personal Rate Status personal Rate and Status personal Rate Status personal Rate and Status personal Rate Status personal Rate and Status personal Rate Rate and Status personal Rate and Status personal Rate Rate and Rate and Status personal Rate and Status personal Rate Rate Rate and Status personal Rate and Status personal Rate Rate Rate and Rate Rate And Rate Rate Rate Rate Rate Rate Rate Rate				
Accesseries and a set of the conduct	Product range			Contactor combinations
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Notes Securitation	Accessories			Star-delta combinations SDAINL
Notes Also suitable for motors with efficiency class E3, E3-ready devices are identified by the logo on their packaging. Reted operational current Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour AC-3 380 V 400 V Perating frequency: maximum 30 starts per hour Soor Perating frequency: maximum 30 starts per hour Max. rating for three-phase motors, 50 - 60 Hz Perating frequency: maximum 30 starts per hour Soor Perating frequency: maximum 30 starts per hour Max. rating for three-phase motors, 50 - 60 Hz Perating frequency: maximum 30 starts per hour Soor Perating frequency: maximum 30 starts per hour Max. rating for three-phase motors, 50 - 60 Hz Soor Indi	Utilization category			NAC-3: Normal AC induction motors: starting, switch off during running
Image: Base of the series o				IE3 🗸
Rated operational current Max Max Max Max Max Max Max Max Max.rating for three-phase motors, 50 - 60 Hz Max Max Max Max AC-3 Max Max Max Max AC-3 Max Max Max 20 V 200 V Max Max Max 380 V 400 V Max Max Max 20 V 200 V Max Max Max 380 V 400 V Max Max Max 400 V Max Max Max Max Mains contactor 011 Max Max Max Max Max Max Max Max Max Max Max Max Max Max Max Max Max Max Max <td< td=""><td>Notes</td><td></td><td></td><td></td></td<>	Notes			
AC3 AC3 AC3 Max.rating for three-phase motors, 50-60 Hz AC3	Description			Operating frequency: maximum 30 starts per hour
380 400 V Image: Marcing for three-phase motors, 50-60 Hz Amage: Marcing for three-phase motors, 50-60 H	Rated operational current			
Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 - 60 Hz Max. rating for three-phase motors, 50 Hz <td>AC-3</td> <td></td> <td></td> <td></td>	AC-3			
AC-3 P KW 20 V 20 V P KW 30 V 400 V P KW 500 V P KW 600 V 600 V P KW Actualing voltage P KW Voltage AC/DC F S Individual components of the combination F K Mains contactor Q11 F F Delat contactor Q13 F F Star contactor Q13 K F	380 V 400 V	I _e	А	200
20 V 230 V 400 V 50 V 400 V 50 V 400 V 50 V 50	Max. rating for three-phase motors, 50 - 60 Hz			
380 V 400 V PI KW 10 500 V PA KW 132 660 V 690 V PK KW 160 Max. changeover time PA KW 160 Actuating voltage FA S 20 V Voltage AC/DC FA S 20 V 50 Hz, 240 V 60 Hz Individual components of the combination FA FA Actuating voltage Individual components of the combination FA FA S Individual contactor Q11 FA FA FA Individual contactor Q13 FA FA S	AC-3			
Store Record Record </td <td>220 V 230 V</td> <td>Р</td> <td>kW</td> <td>55</td>	220 V 230 V	Р	kW	55
Actuating voltage P KW Field Max. changeover time s 0 Actuating voltage Job V 50 Hz, 240 V 60 Hz Job V 50 Hz, 240 V 60 Hz Voltage AC/DC Actuating voltage Job V 50 Hz, 240 V 60 Hz Individual components of the combination For Main Scontactor Q15 Part main Delta contactor Q15 Part main LIM115 - LIM150-XHI11 Star contactor Q13 Part main Part main	380 V 400 V	Р	kW	110
Max. changeover time s 20 Actuating voltage Image: State of the combination State of the combination State of the combination Individual components of the combination Image: State of the combination Image: State of the combination State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combination Image: State of the combi	500 V	Р	kW	132
Actuating voltageMains contactor Q11Mains contactor Q15Mains contactor Q13Part no.DILM115 + DILM150-XH111Star contactor Q13Star contactor Q13 <td>660 V 690 V</td> <td>Р</td> <td>kW</td> <td>160</td>	660 V 690 V	Р	kW	160
Voltage AC/DC AC operation Individual components of the combination Part no. Mains contactor 011 Part no. Delta contactor 015 Part no. Star contactor 013 Part no. DiLM115 Part no. DiLM115 Part no. Part no. Part no. DiLM115 Part no. Part no. Part no.	Max. changeover time		s	20
Individual components of the combination Image: Part no. DILM115 + DILM150-XHI31 Mains contactor Q15 Part no. DILM115 + DILM150-XHI11 Star contactor Q13 Part no. DILM115 + DILM150-XHI11	Actuating voltage			230 V 50 Hz, 240 V 60 Hz
Mains contactor Q11 Part no. Part no. Delta contactor Q15 Part no. DILM115 + DILM150-XHI31 Star contactor Q13 Part no. DILM115 + DILM150-XHI11	Voltage AC/DC			AC operation
Delta contactor Q15 Part no. DILM150-XHI31 Star contactor Q13 Part no. DILM150-XHI11	Individual components of the combination			
Star contactor Q13 Part no. DILM150-XHI11 DILM150-XHI11 Part no. DILM150-XHI11	Mains contactor Q11		Part no.	
+ DILM150-XHI11	Delta contactor Q15		Part no.	
Timing relay K1 Part no. ETR4-51			Part no.	
	Timing relay K1		Part no.	ETR4-51



Design verification as per IEC/EN 61439

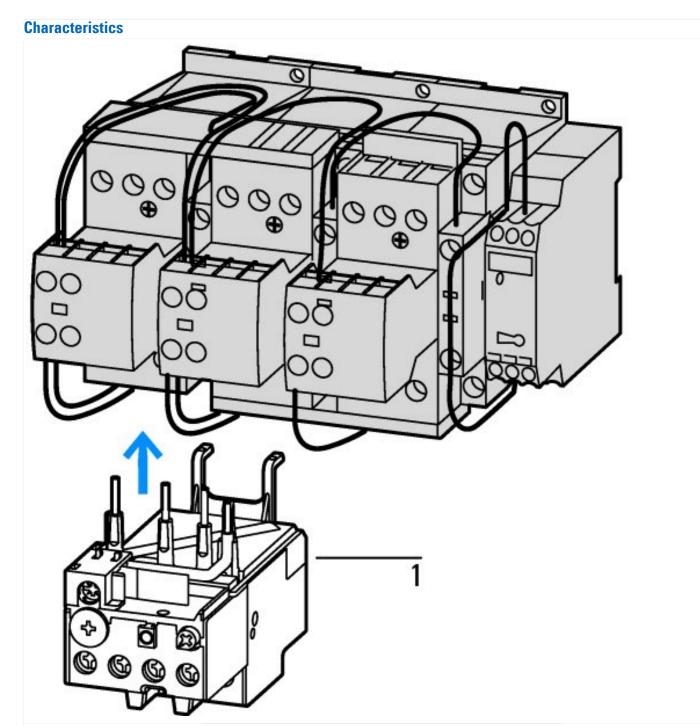
Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	200
Heat dissipation per pole, current-dependent	P _{vid}	W	15.7
Equipment heat dissipation, current-dependent	P _{vid}	W	47.2
Static heat dissipation, non-current-dependent	P _{vs}	W	6.6

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 switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

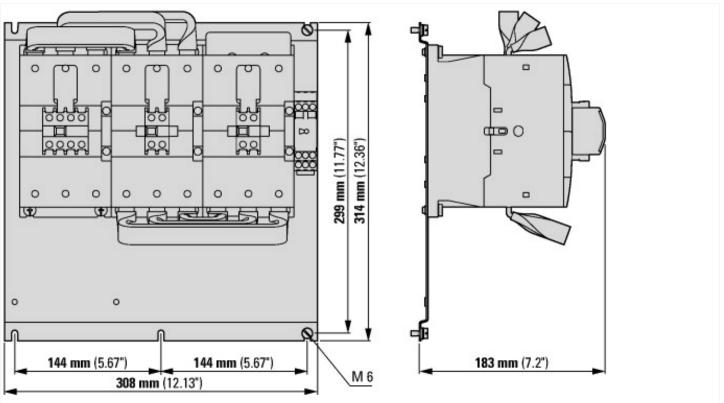
Low-voltage industrial components (EG000017) / Combination of contactors (EC000010)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Combination of contactor (ecl@ss10.0.1-27-37-10-09 [AGZ572014])			
Function		Star-delta contactor	
Rated control supply voltage Us at AC 50HZ	V	230 - 230	
Rated control supply voltage Us at AC 60HZ	V	240 - 240	
Rated control supply voltage Us at DC	V	0 - 0	
Voltage type for actuating		AC	
Rated operation current le at AC-3, 400 V	А	200	
Rated operation power at AC-3, 400 V	kW	110	
Rated operation power NEMA	kW	0	
Type of electrical connection of main circuit		Screw connection	
Degree of protection (IP)		IP00	
Degree of protection (NEMA)		Other	



1: Overload relay

Dimensions



Assets (links)

Declaration of CE Conformity 00003251

Instruction Leaflets IL03407039Z2018_05 IL03407039Z2019_09