DATASHEET - SDAINLM16(110V50HZ,120V60HZ)



Star-delta contactor combination, 380 V 400 V: 7.5 kW, 110 V 50 Hz, 120 V 60 Hz, AC operation

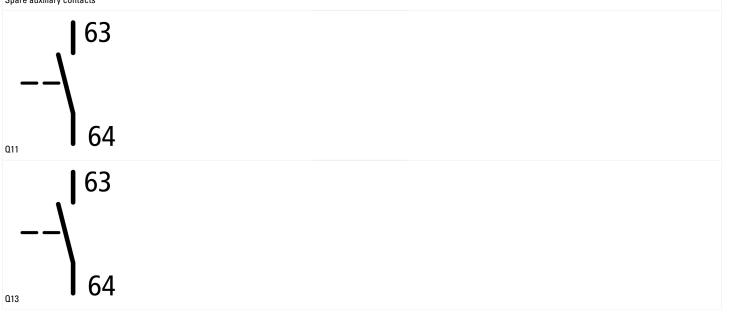


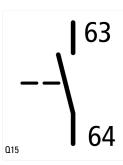
Part no.	SDAINLM16		
Catalog No.	278308		
Alternate Catalog	XTSD016B1		
No.			

SDAINLM16(110V50HZ,120V60HZ) 278308 alog XTSD016B10A

Delivery program

		Contactor combinations
		Star-delta motor starting for contactor combinations
		NAC-3: Normal AC induction motors: starting, switch off during running
		IE3 🗸
		Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
		Operating frequency: maximum 30 starts per hour
I _e	А	16
Р	kW	4
Р	kW	7.5
Р	kW	7.5
Р	kW	7.5
	s	20
		110 V 50 Hz, 120 V 60 Hz
		AC operation
	Part no.	DILM9-10 + DILA-XHI20
	Part no.	DILM9-01 + DILA-XHI20
	Part no.	DILM7-01 + DILA-XHI20
	Part no.	ETR4-51
	P P P	P KW P KW P kW P kW S S Part no. Part no.





Design verification as per IEC/EN 61439

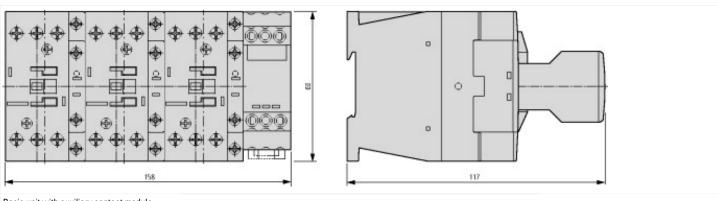
Design vernication as per 120/214 01455			
Technical data for design verification			
Rated operational current for specified heat dissipation	l _n	А	9.28
Heat dissipation per pole, current-dependent	P _{vid}	W	0.94
Equipment heat dissipation, current-dependent	P _{vid}	W	2.82
Static heat dissipation, non-current-dependent	P _{vs}	W	4.8
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must b 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 ٧ 110 - 110 Rated control supply voltage Us at AC 60HZ ٧ 120 - 120 Rated control supply voltage Us at DC ٧ 0 - 0 Voltage type for actuating AC Rated operation current le at AC-3, 400 V 16 А

Rated operation power at AC-3, 400 V	kV	W	7.5
Rated operation power NEMA	kV	N	0
Type of electrical connection of main circuit			Screw connection
Degree of protection (IP)			IP20
Degree of protection (NEMA)			Other

Dimensions



Basic unit with auxiliary contact module

Assets (links)

Declaration of CE Conformity 00002875

Instruction Leaflets IL03407030Z2018_05 IL03407043Z2018_05

Additional product information (links)

IL03407030Z (AWA2100-2139) Wiring for contactor combinations

IL03407030Z (AWA2100-2139) Wiring for contactor combinations

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407030Z2018_05.pdf