


**Star-delta contactor combination, 380 V 400 V: 132 kW, 110 V 50 Hz, 120 V 60 Hz, AC operation**



**Part no.** SDAINLM260(110V50HZ,120V60HZ)  
**Catalog No.** 101028  
**Alternate Catalog No.** XTSD260G11A

**Delivery program**

Product range			Contactor combinations
Application			Star-delta motor starting for contactor combinations
Accessories			Star-delta combinations SDAINL
Utilization category			NAC-3: Normal AC induction motors: starting, switch off during running
Notes			 Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Description			Operating frequency: maximum 30 starts per hour

**Rated operational current**

AC-3			
380 V 400 V	$I_e$	A	260

**Max. rating for three-phase motors, 50 - 60 Hz**

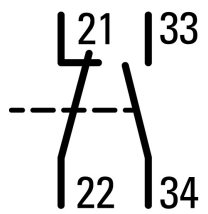
AC-3			
220 V 230 V	P	kW	75
380 V 400 V	P	kW	132
500 V	P	kW	160
660 V 690 V	P	kW	160

Max. changeover time		s	20
Actuating voltage			110 V 50 Hz, 120 V 60 Hz
Voltage AC/DC			AC operation

**Individual components of the combination**

Mains contactor Q11	Part no.	DILM150 + DILM150-XHI11	
Delta contactor Q15	Part no.	DILM150 + DILM150-XHI31	
Star contactor Q13	Part no.	DILM95 + DILM150-XHI11	
Timing relay K1	Part no.	ETR4-51	

Spare auxiliary contacts



Q11

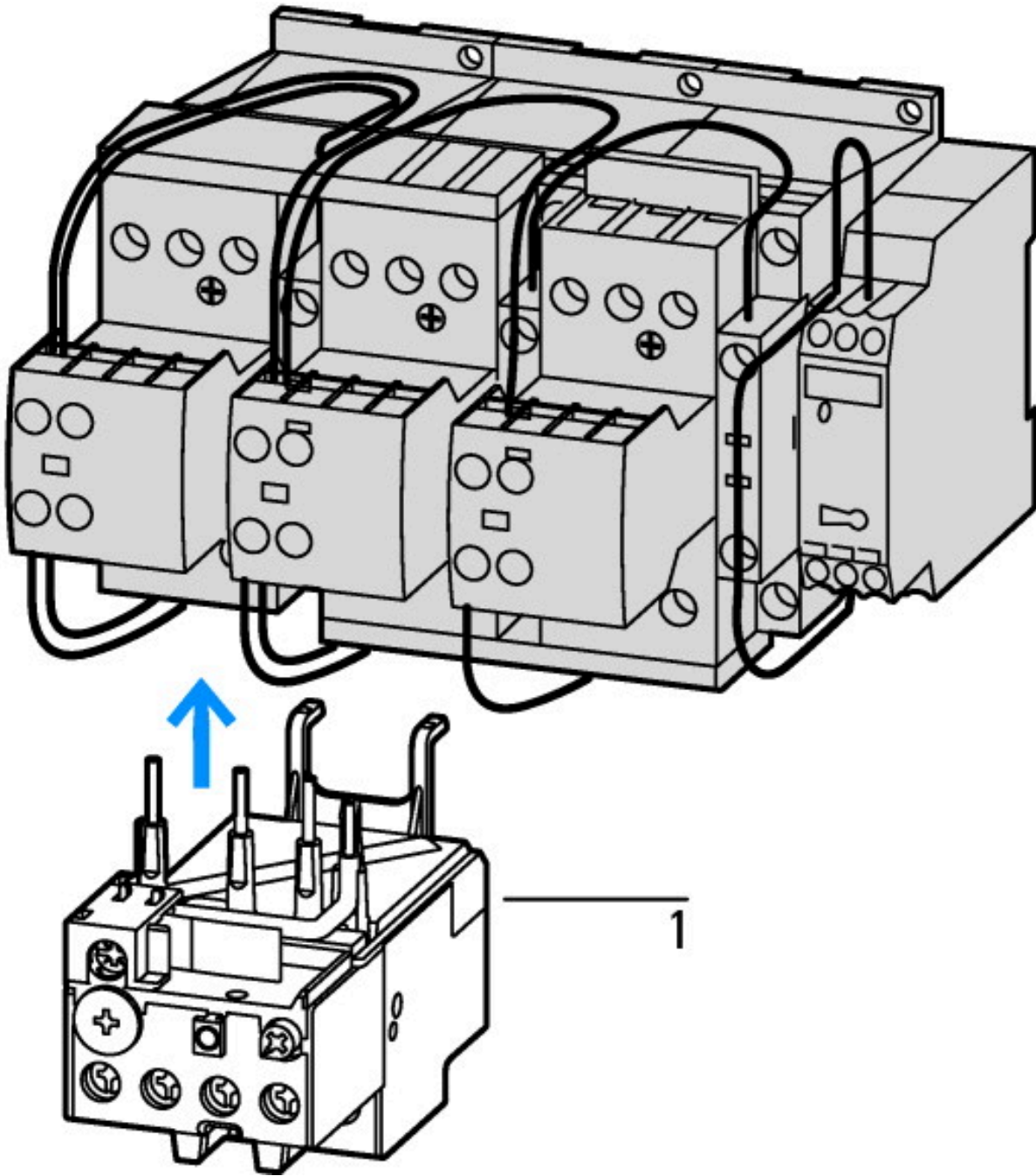
**Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	260
Heat dissipation per pole, current-dependent	$P_{vid}$	W	26.3
Equipment heat dissipation, current-dependent	$P_{vid}$	W	78.8
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.

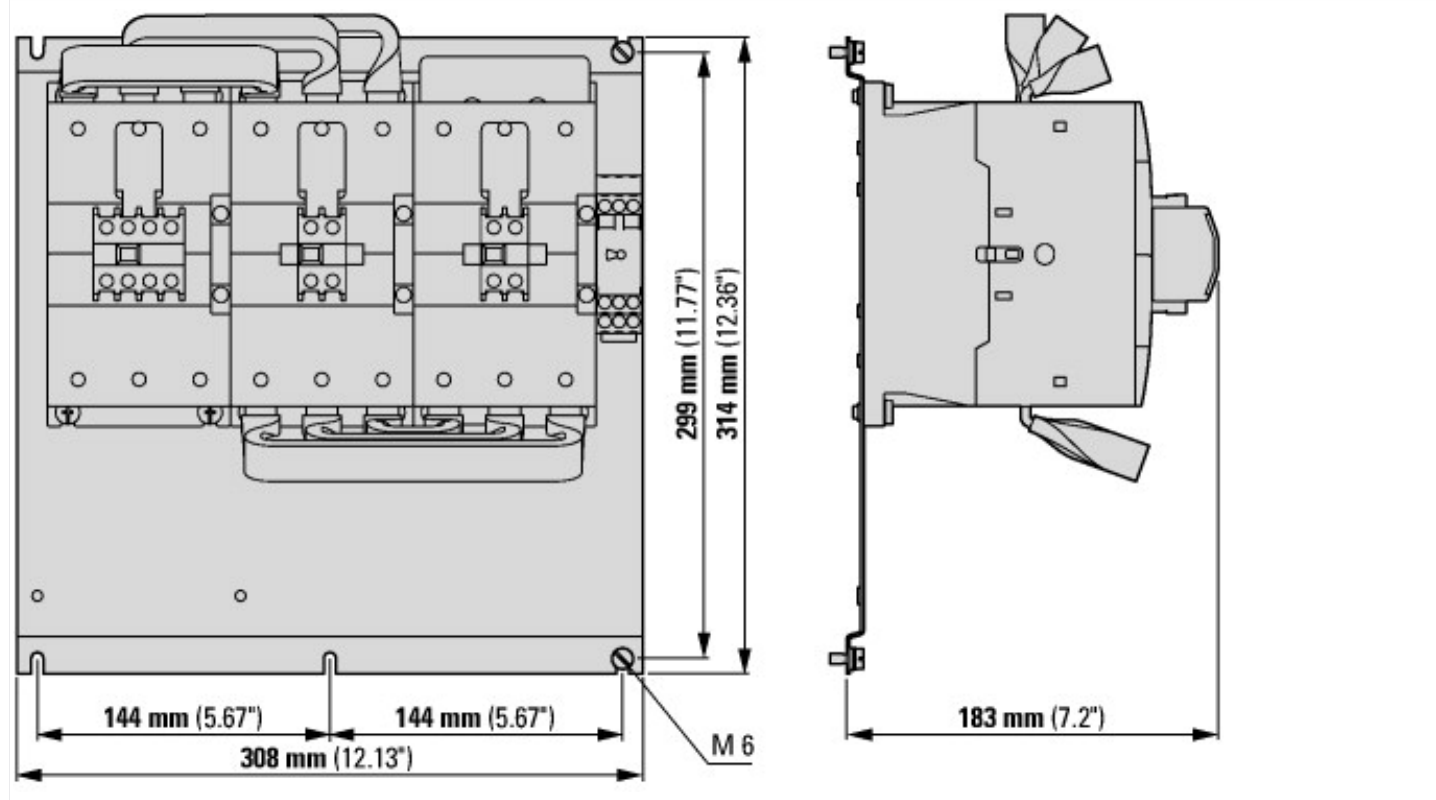
## Technical data ETIM 7.0

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 $U_s$ at AC 50HZ	V	110 - 110
Rated control supply voltage $U_s$ at AC 60HZ	V	120 - 120
Rated control supply voltage $U_s$ at DC	V	0 - 0
Voltage type for actuating		AC
Rated operation current $I_e$ at AC-3, 400 V	A	260
Rated operation power at AC-3, 400 V	kW	132
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

## 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](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407030Z2018_05.pdf)