
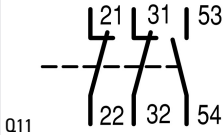




Star-delta contactor combination, 5.5kW/400V/AC3

**Part no.** SDAINLEM(230V50HZ,240V60HZ)  
**Catalog No.** 051840  
**Alternate Catalog No.** XTSD012A10F

**Delivery program**

Product range				This item will continue to be available for a limited time only and is being replaced by the following item: 278286, SDAINLM12(230V50HZ,240V60HZ)
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
<b>Rated operational current</b>				
AC-3				
380 V 400 V	$I_e$	A	12	
<b>Max. rating for three-phase motors, 50 - 60 Hz</b>				
AC-3				
220 V 230 V	P	kW	4	
380 V 400 V	P	kW	5.5	
500 V	P	kW	5.5	
Max. changeover time		s	30	
Actuating voltage				230 V 50 Hz, 240 V 60 Hz
Voltage AC/DC				AC operation
<b>Individual components of the combination</b>				
Mains contactor Q11				Part no. DILEM-10 + 22DILEM
Delta contactor Q15				Part no. DILEM-01
Star contactor Q13				Part no. DILEM-10 + 02DILEM
Timing relay K1				Part no. DILET
Spare auxiliary contacts				
				

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

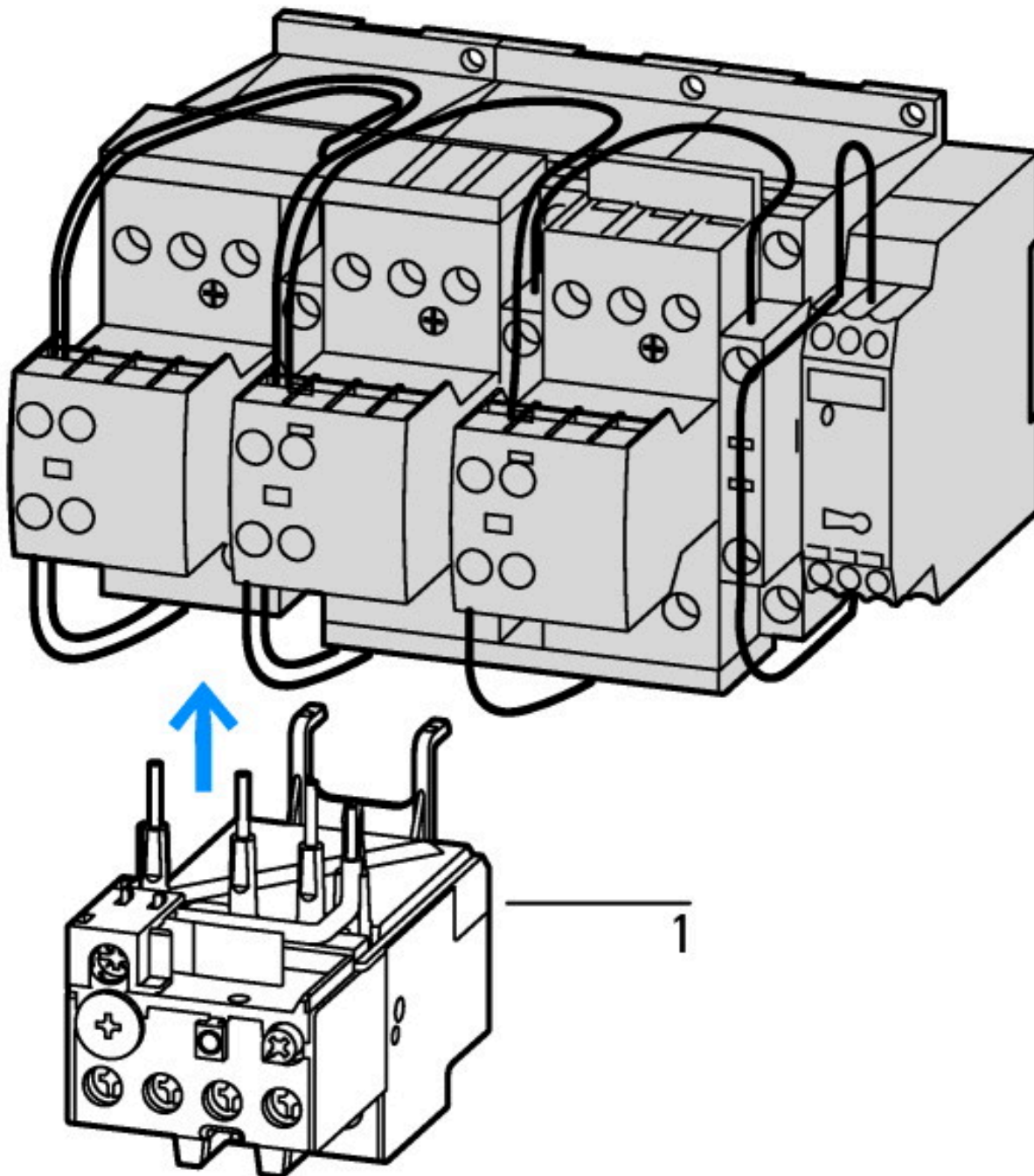
Technical data for design verification				
Rated operational current for specified heat dissipation	$I_n$	A	7	
Heat dissipation per pole, current-dependent	$P_{vid}$	W	1.21	
Equipment heat dissipation, current-dependent	$P_{vid}$	W	3.63	
Static heat dissipation, non-current-dependent	$P_{vs}$	W	4.1	
Heat dissipation capacity	$P_{diss}$	W	0	
Operating ambient temperature min.		°C	-25	
Operating ambient temperature max.		°C	50	
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 5.0

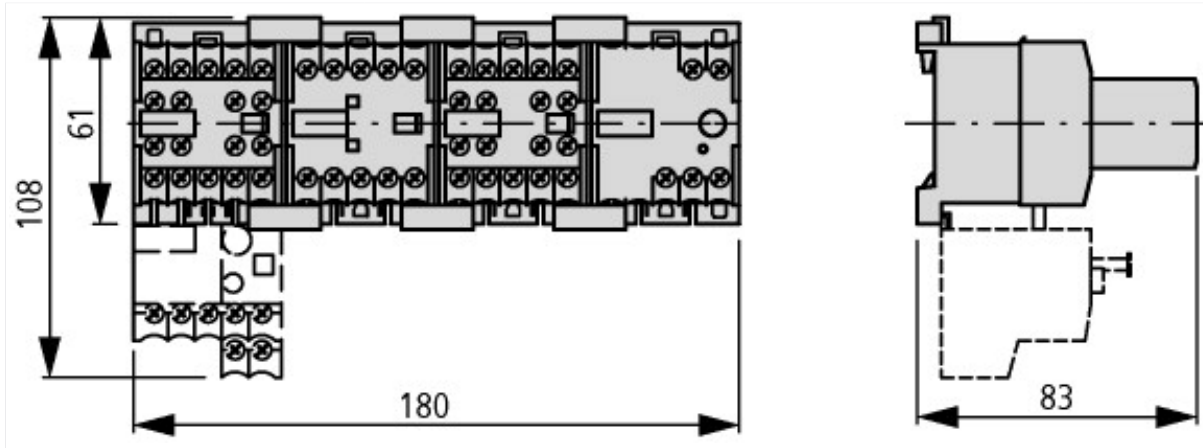
Low-voltage industrial components (EG000017) / Starter combination (EC000010)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Combination of contactor (ecl@ss8-27-37-10-09 [AGZ572010])		
Function		Star-delta contactor
Rated control supply voltage $U_s$ at AC 50HZ	V	230 - 230
Rated control supply voltage $U_s$ at AC 60HZ	V	240 - 240
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	12
Rated operation power at AC-3, 400 V	kW	5.5
Connection type main current circuit		Screw connection
Degree of protection (IP)		IP20

## Characteristics



1: Overload relay

## Dimensions



## Assets (links)

### Declaration of CE Conformity

00003110

### Instruction Leaflets

IL03407079Z2018\_04

## Additional product information (links)

### IL03407079Z (AWA2210-1048) Star-delta contactors

IL03407079Z (AWA2210-1048) Star-delta contactors

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03407079Z2018\\_04.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407079Z2018_04.pdf)