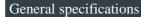
Eaton 101028

Catalog Number: 101028

Eaton Moeller® series SDAINL Star-delta contactor combination, 380 V 400 V: 132 kW, 110 V 50 Hz, 120 V 60 Hz, AC operation





Eaton Moeller® series SDAINL contactor 101028

combination

Product Weight

Model Code

Certifications

Catalog Number

SDAINLM260(110V50HZ,120V60HZ)

EAN Product Length/Depth

4015081009251 183 mm

Product Height Product Width 314 mm 308 mm

11.538 kg CE





Product specifications

Used with

ETR4-51

Electrical connection type for auxiliary- and control-current circuit

Screw connection

Number Of Poles

Three-pole

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.

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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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

Resources

Catalogs

SmartWire-DT Catalog

Product Range Catalog Switching and protecting motors

eaton-product-overview-for-machinery-catalogue-ca 08103003 zen-enus.pdf

Declarations of conformity

DA-DC-00004818.pdf

DA-DC-00004781.pdf

Drawings

 $eaton-star-delta-starters-star-delta-sdainl-contactor-combination-\\ dimensions.eps$

 $eaton-star-delta-starters-sdainl-contactor-combination-3 d-drawing-\\002.eps$

eaton-general-ie-ready-dilm-contactor-standards.eps

eCAD model

ETN.SDAINLM260(110V50HZ,120V60HZ).edz

Installation instructions

eaton-dil-contactors-instruction-leaflet-il03407039z.pdf

IL03407030Z

Installation videos

WIN-WIN with push-in technology

mCAD model

sdainlm260_a

sdainlm260_a.stp

Specifications and datasheets

Eaton Specification Sheet - 101028

System overview

eaton-star-delta-starters-star-delta-sdainl-contactor-combination-explosion-drawing. eps

Wiring diagrams

eaton-contactors-contact-sdainl-combination-wiring-diagram.eps

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.

10.9.2 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.

Frequency rating

50-60 Hz

Pollution degree

3

Utilization category

AC-3: Normal AC induction motors: starting, switch off during running

Connection

Screw terminals

Ambient operating temperature - max

60 °C

Ambient operating temperature - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

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-25 °C
Ambient storage temperature - max
80 °C
Ambient storage temperature - min
-40 °C
Equipment heat dissipation, current-dependent Pvid
78.8 W
Heat dissipation capacity Pdiss
Heat dissipation per pole, current-dependent Pvid
26.3 W
Application
Star-delta motor starting for contactor combinations
Product category
Contactor combinations
Electrical connection type of main circuit
Screw connection
Voltage type
AC
Degree of protection
IP00
NEMA Other
Number of auxiliary contacts (normally closed contacts)
Number of auxiliary contacts (normally open contacts)
Number of contacts (normally closed) as main contact
0
Number of main contacts (normally open contact)
9
Rated control supply voltage (Us) at AC, 50 Hz - max
110 V
Rated control supply voltage (Us) at AC, 50 Hz - min
110 V
Rated control supply voltage (Us) at AC, 60 Hz - max
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Rated control supply voltage (Us) at AC, 60 Hz - min

120 V

120 V Overvoltage category Ш **Duty factor** 100 % Changeover time 20 s, max. Interference immunity According to EN 60947-1 **Functions** Star-delta contactor Rated control supply voltage (Us) at DC - max 0 V Rated control supply voltage (Us) at DC - min 0 V Rated insulation voltage (Ui) 690 V Rated operational current (le) at AC-1, 380 V, 400 V, 415 V 260 A Rated operational current (le) at AC-3, 380 V, 400 V, 415 V 260 A Rated operational current for specified heat dissipation (In) 260 A Rated operational power at AC-3, 380/400 V, 50 Hz 132 kW Rated operational power (NEMA) 0 kW Static heat dissipation, non-current-dependent Pvs 6.6 W Suitable for Also motors with efficiency class IE3 Rated operational power at AC-3, 500 V, 50 Hz 160 kW Rated operational power at AC-3, 690 V, 50 Hz

160 kW

Actuating voltage

110 V 50 Hz, 120 V 60 Hz

Number of auxiliary contacts (change-over contacts)

Voltage type of operating voltage

AC

Operating voltage at AC, 50 Hz - min

230 V

Operating voltage at AC, 50 Hz - max

690 V

Operating voltage at AC, 60 Hz - min

230 V

Operating voltage at AC, 60 Hz - max

690 V

Operating voltage at DC - min

0 V

Operating voltage at DC - max

0 V



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