



168107
NAS80-CI-1



Overview



Specifications



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DELIVERY PROGRAM

Product range
Switchgear for renewable energies

Subrange
Mains and system protection

Product range
Mains and system protection

Motor rating

AC-1
400 V [F]
55 kVA

Description
Central mains and system protection
NA protection to VDE-AR-N 4105

Degree of Protection
IP65

Number of conductors
4-Pole

Connection technique
Screw terminals

TECHNICAL DATA

General

Rated operational voltage [U_e]
400 V AC

Mbtor rating
AC-1
400 V [F]
55 kVA

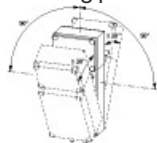
Standards
VDE-AR-N 4105

Ambient temperature
Open
-20 - +40 °C

Ambient temperature
Enclosed
-20 - +40 °C

Ambient temperature
Storage [9]
-40 - +80 °C

Mbunting position



Total opening delay
With NA protection relay < 150 ms

Rated duty factor
100 % DF

Terminal capacity main cable
Solid
1 x (2,5 - 16) mm²

Terminal capacity main cable
Flexible
1 x (2.5 - 35) mm²

Terminal capacity main cable
Stranded
1 x (16 - 50) mm²

Terminal capacity PE terminals
Solid
1 x (16 - 50) mm²

Terminal capacity PE terminals
Flexible
1 x (25 - 50) mm²

Terminal capacity PE terminals
Stranded
1 x (25 - 50) mm²

coupler switch
2 x DILMP80(RAC240), article no. 167513

Making capacity (cos ϕ) [Up to 690 V]
700
According to IEC/EN 60947 A

Breaking capacity
380 V 400 V
500 A

Short-circuit protection maximum fuse
400 V [gG/gL 500 V]
160 A

Prospective short-circuit current
100 kA

Changeover time at 100 % U_S (recommended)

value)
Opening delay
45 ms

Rated control voltage [U_s]
230 V ACV

Power consumption of the coil in a cold state and
 $1.0 \times U_s$
AC operated 50/60 Hz [Pick-up]
90 (2 x DILMP) VA

Power consumption of the coil in a cold state and
 $1.0 \times U_s$
AC operated 50/60 Hz [Sealing]
3 (2 x DILMP) VA

DESIGN VERIFICATION AS PER IEC/EN 61439

Heat dissipation capacity [P_{diss}]
0 W

Operating ambient temperature min.
-20 °C

Operating ambient temperature max.
+40 °C

TECHNICAL DATA ETIM 8.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for low-voltage switch technology (EC002498)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])

Type of accessory/spare part
Other

Accessory

Yes

Spare part
No

DIMENSIONS

