Instructions

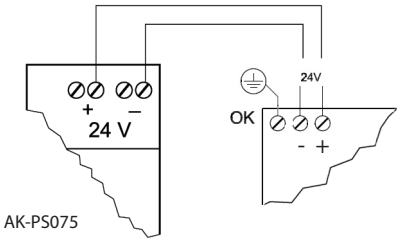
Power supply
AK-PS075

REFRIGERATION AND
AIR CONDITIONING

080R9260

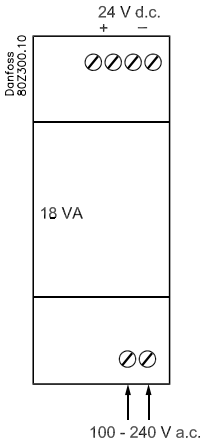
080R9260

Principle



Approvals & Specifications

080Z0053 AK-PS075



UL File # E312396

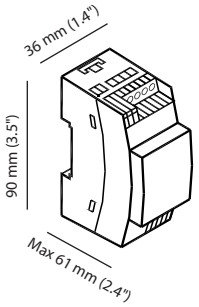
Nominal Input Voltage
AC: 100 - 240V
45-65 Hz
1.4A (120V a.c.) / 0.4A (230V a.c.)

Operational Voltage:
85-264V a.c.
95-250V d.c.

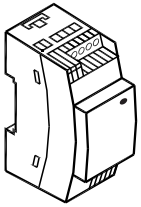
Output: 24V d.c.
0.75A
18 VA

Environmental Range:
Operation -25°C t_{amb} +70°C (-13°F < t_{amb} < 158°F)
Derating of output current 2.5 % /K > +55°C (131°F)
Storage -40°C to +85°C (-40°F < t_{amb} < 185°F)
Humidity 0 - 95% RH, non condensing

Dimensions



Signaling

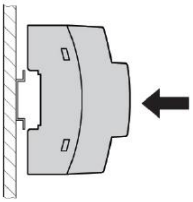


	State 1	State 2
DC OK LED	On	Off
Meaning	Normal operation of the power supply	1. The output voltage is less than 21.5 V. There is a secondary consumer short circuit or overload. 2. There is no input voltage or there is a device fault

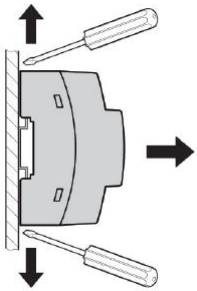
Mounting

The power supply can be snapped onto all mounting rails in accordance with EN 50022-35. Ensure mounting rails are fixed horizontally (terminals facing downwards). In order to comply with the UL approval, use copper cables that are designed for operating temperatures of 75 °C (167 °F)

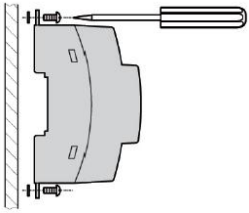
DIN rail mounting



Remove from DIN rail



Flat surface mounting



Connection / Connecting cable

In order to comply with the UL certification, use copper cables that are designed for operating temperatures of >75 °C. In order to comply with EN 60950/UL 60950, flexible cables require ferrules. In order to fulfill GL requirements, unused terminal spaces must be closed. To achieve a reliable and shockproof connection, strip the connecting ends according to table 1!

Tabelle 1 **Table 1** **Tableau 1** **Tabla 1:**	Starr Solid Rigide Rigido	Flexibel Stranded Souple Flexible		Anzugsmoment Torque Couple de serrage Par de apriete		Abisolierlänge Stripping length Longueur à dénuder Longitud a desaislar
	[mm^2]	[mm^2]	AWG	[Nm]	[lb in]	L [mm]
①②	0,2-2,5	0,2-2,5	24-12	0,6-0,8	5-7	6,5

If the internal fuse is triggered, there is most probably a malfunction in the device. In this case, the device must be inspected in the factory!

For device protection, there is an internal fuse: 3,15 AT (250V AC / 125 V d.c.)

Additional device protection is not necessary. Recommended backup fuses are power circuit-breakers 6 A, 10 A or 16 A, characteristic B (or identical function). In DC applications, a suitable backup fuse must be wired in!

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