

8414 NH

DC axial compact fan

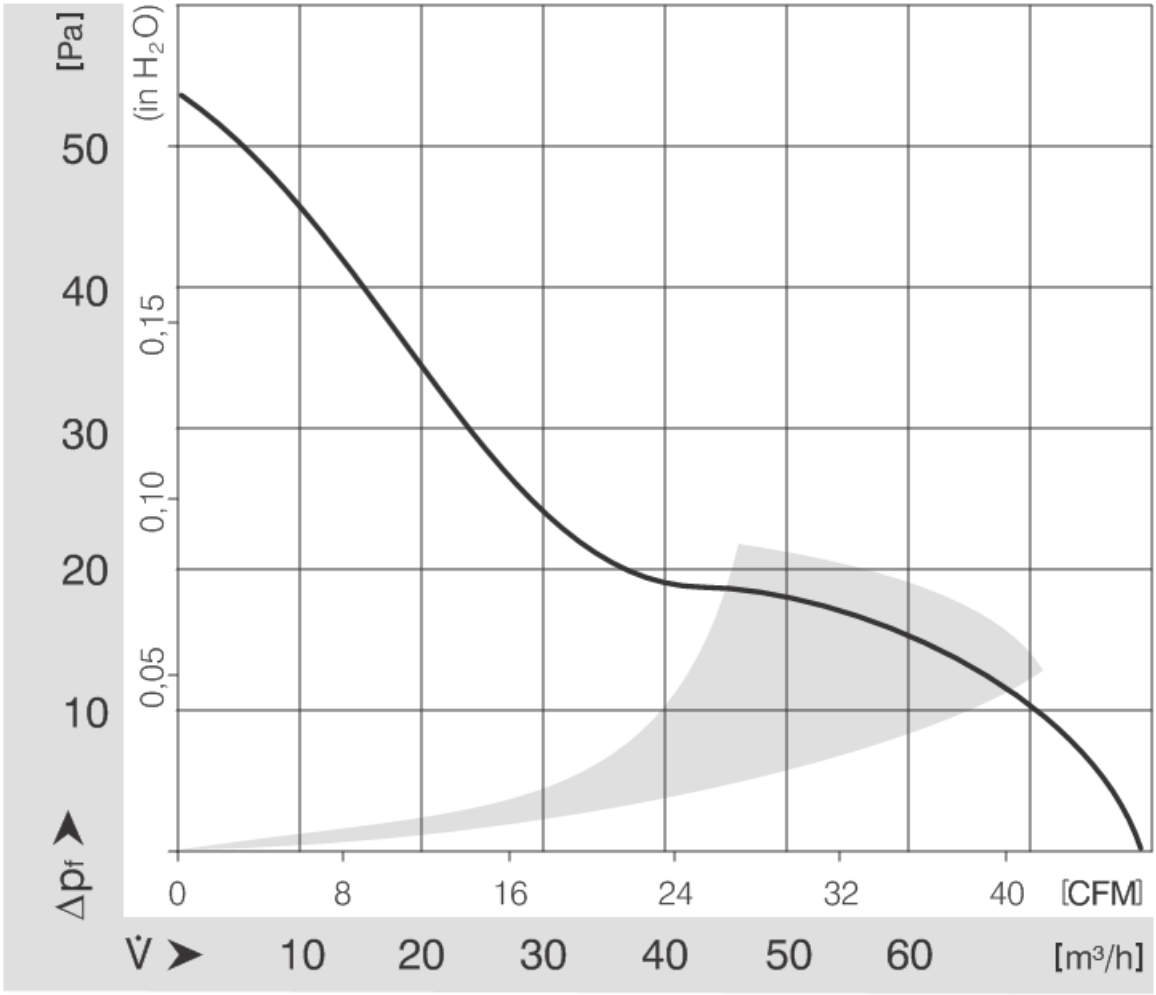
Technical description

Weight	0.095 kg
Dimensions	80 x 80 x 25 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Glass-fiber reinforced PBT plastic
Airflow direction	Exhaust over struts
Direction of rotation	Counterclockwise, viewed toward rotor
Bearing	Ball bearing
Service life L10 at 40 °C	70000 h
Service life L10 at maximum temperature	35000 h
Cable	Leads AWG 24, TR 64, stripped and tin-plated.
Motor protection	Protection against reverse polarity and blocked rotor.
Locked-rotor protection	Locked-rotor and overload protection
Approval	VDE, CSA, UL, CE
Option	Possible custom designs: Speed signal Go / No-go alarm Alarm with speed limit External temperature sensor Internal temperature sensor PWM control input Analog control input Moisture protection Degree of protection: IP54 / IP68

Nominal data

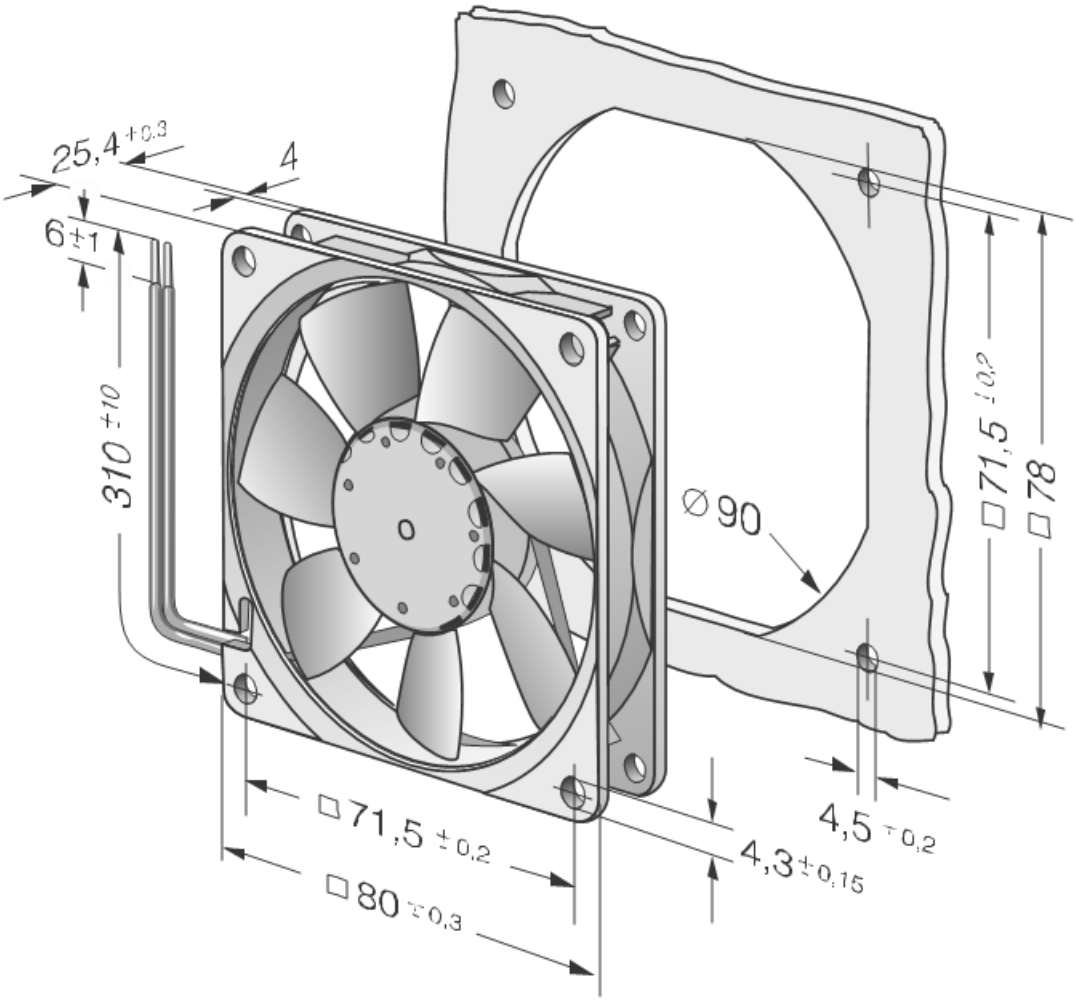
Type of voltage		DC
Nominal voltage	in V	24
Nominal voltage range	in V	18 .. 26
Speed	in min^{-1}	3600
Power input	in W	2,4
Min. ambient temperature	in °C	-20
Max. ambient temperature	in °C	70
Air flow	in m^3/h	79
Sound power level	in B	5
Sound pressure level	in dB(A)	37

Curves



Air flow

Drawing



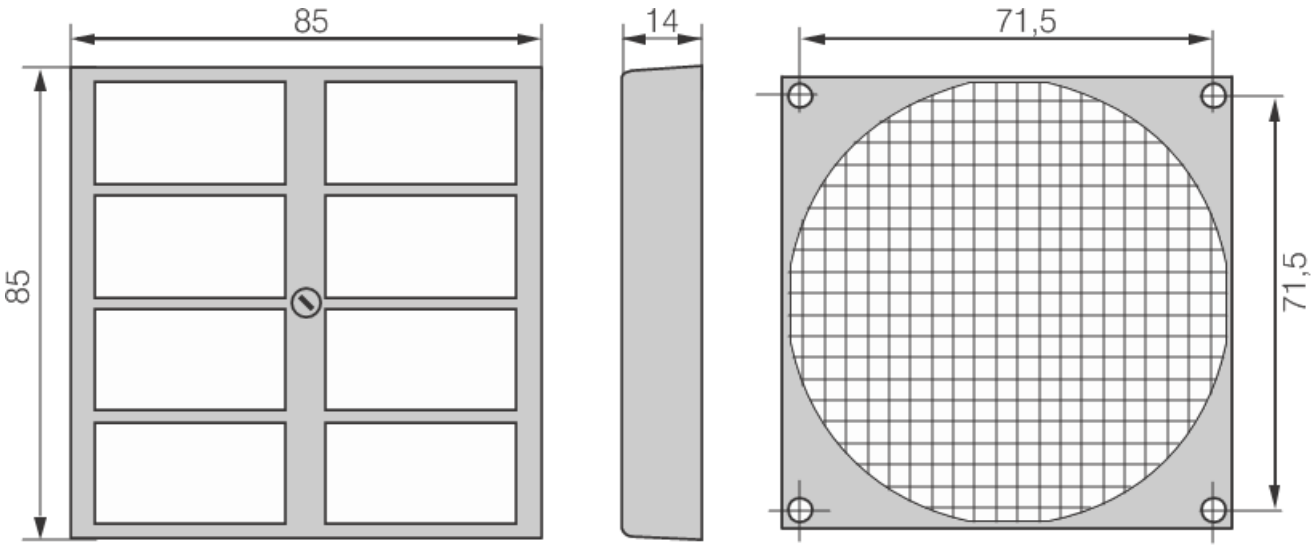
Product drawing

Accessories

Guard grille (FF80)

Material

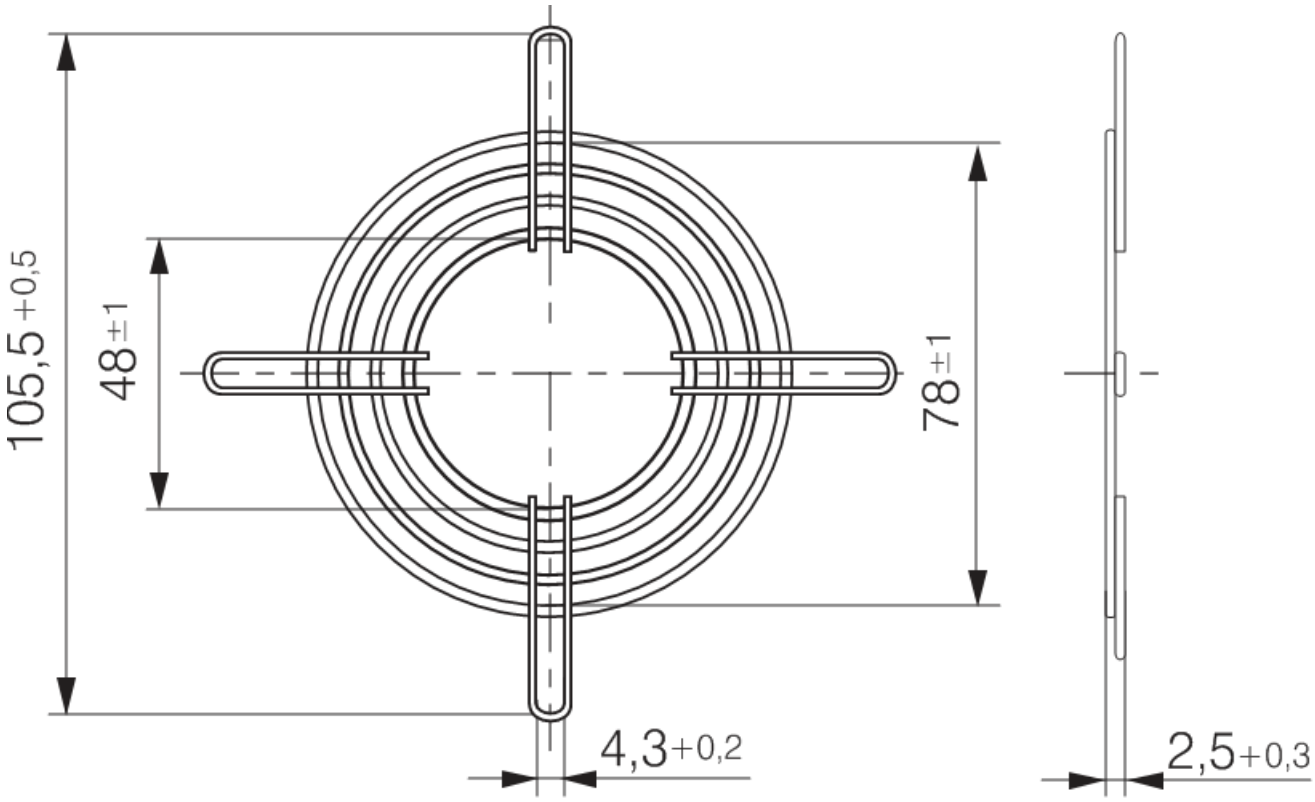
Injection-molded polycarbonate (PC) grille cover with matte surface. Wire mesh mounting plate with black powder coating.



Guard grille (LZ222)

Material

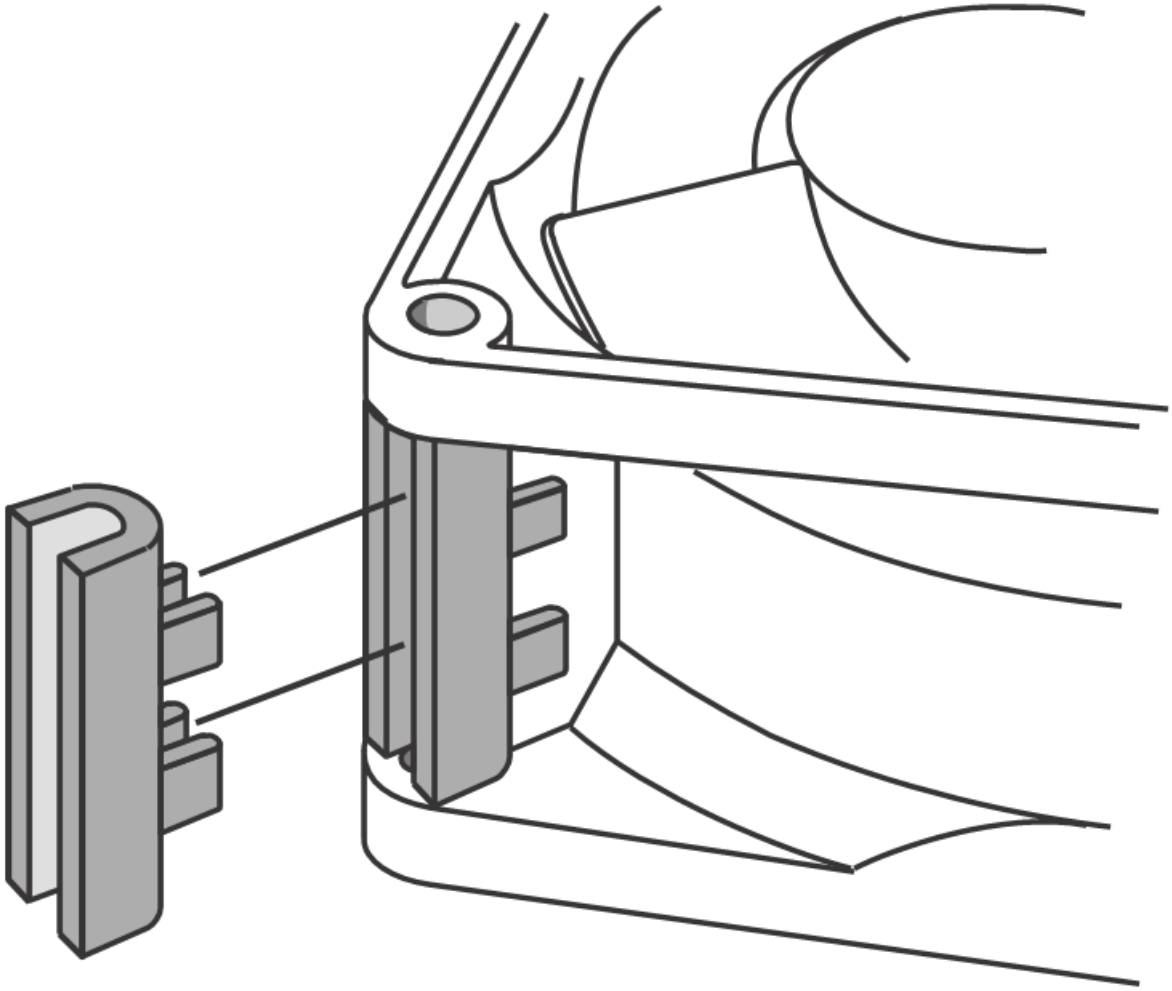
rustproof steel wire



Assembly part (LZ261)

Material

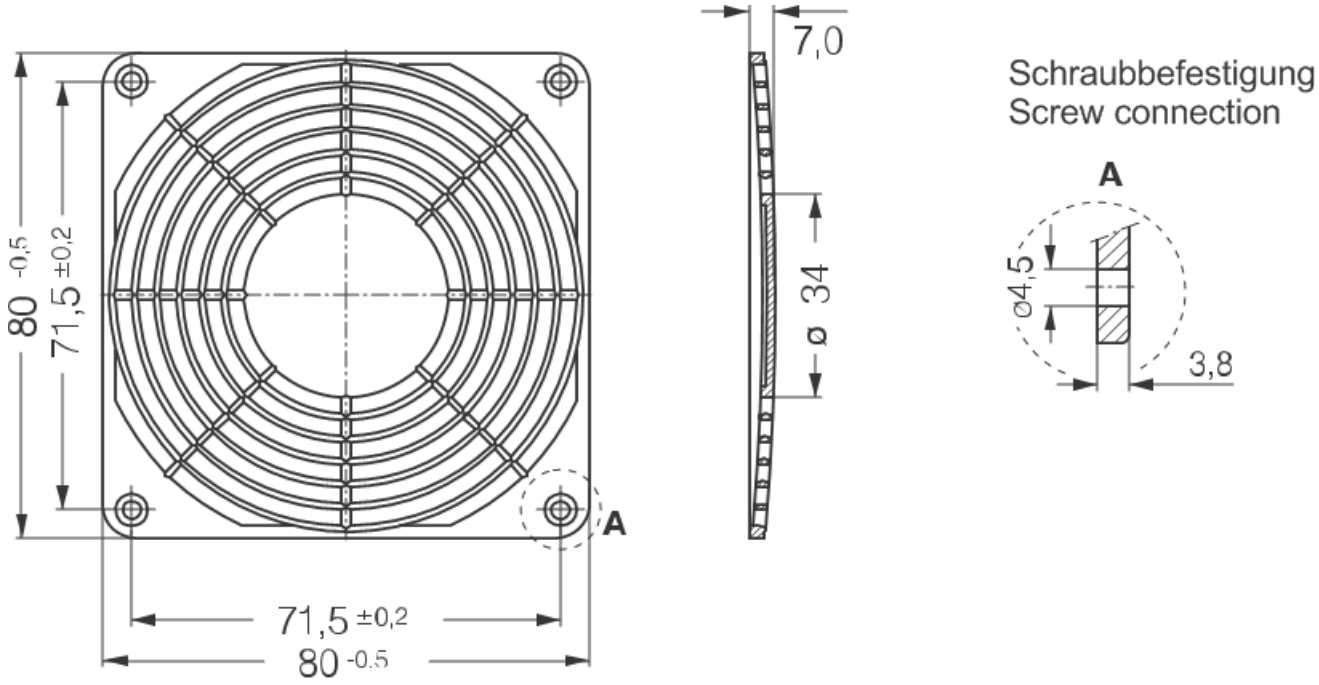
glass-fiber reinforced plastic



Guard grille (LZ322)

Material

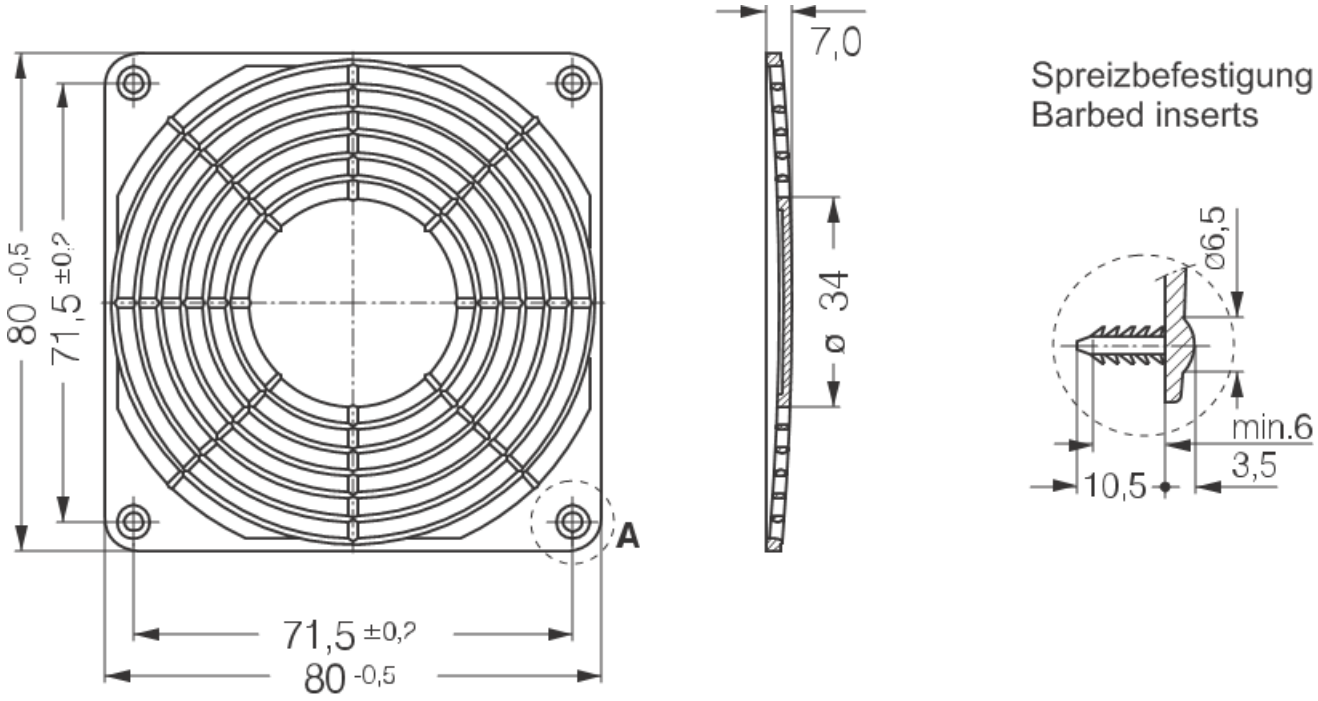
glass-fiber reinforced plastic



Guard grille (LZ323)

Material

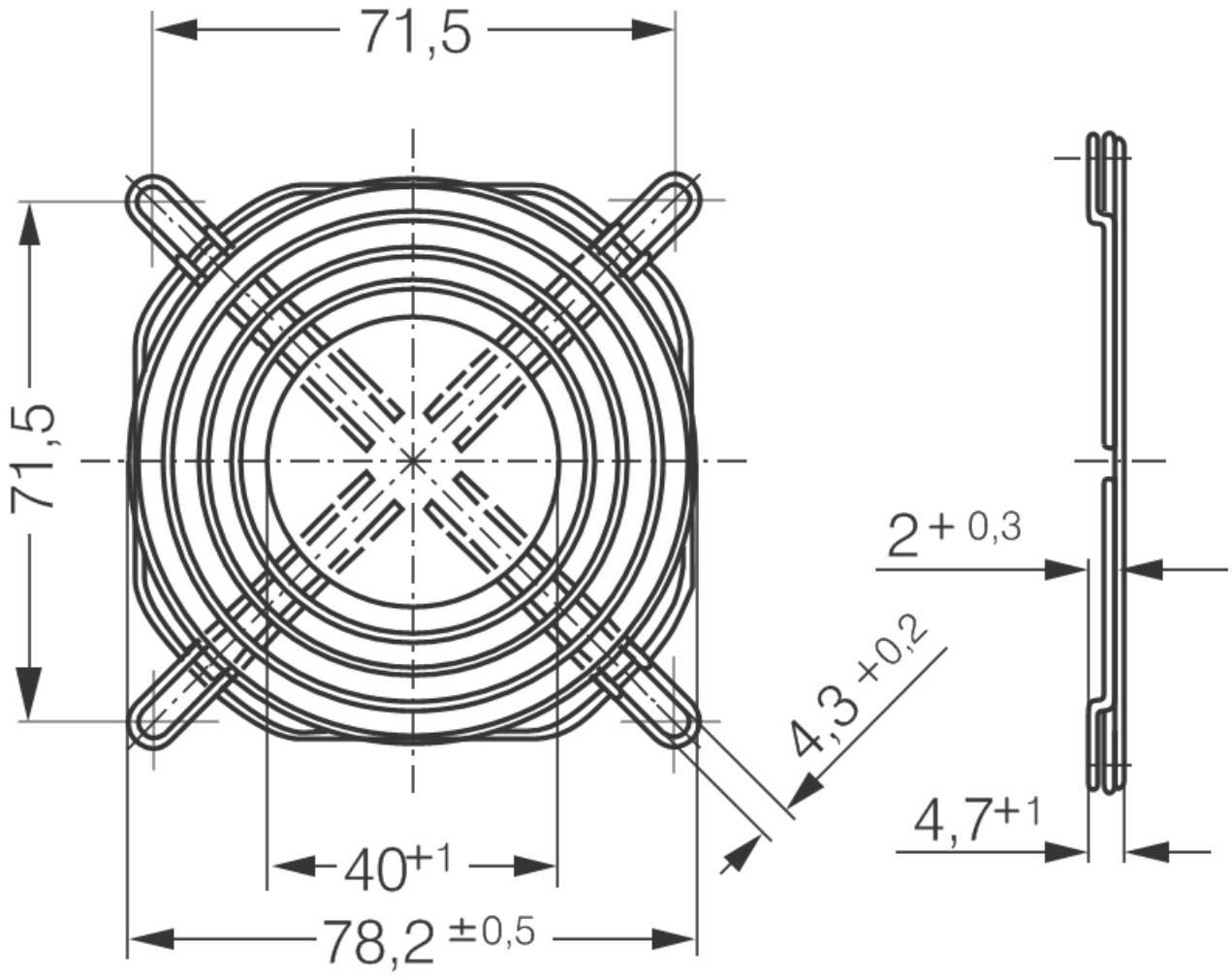
glass-fiber reinforced plastic



Guard grille (LZ324)

Material

rustproof steel wire



Downloads

Data sheet [PDF]

Operating instructions [PDF]

Step 8400 N [ZIP]