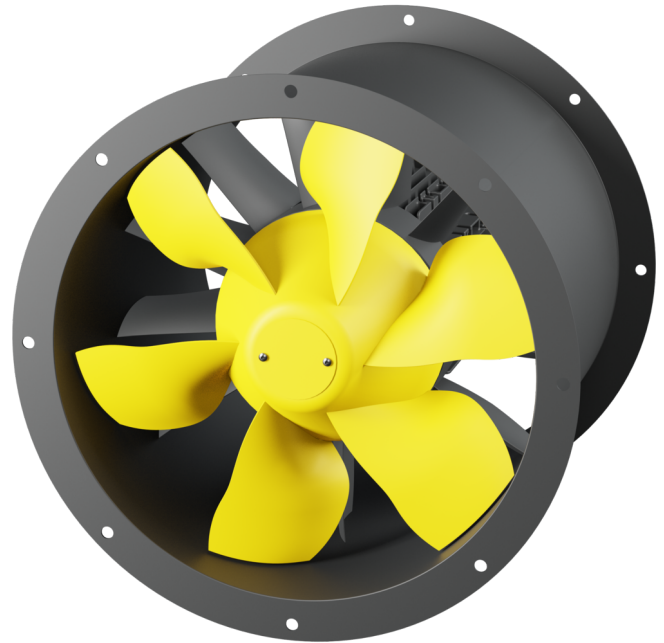


AL 630 D4 01

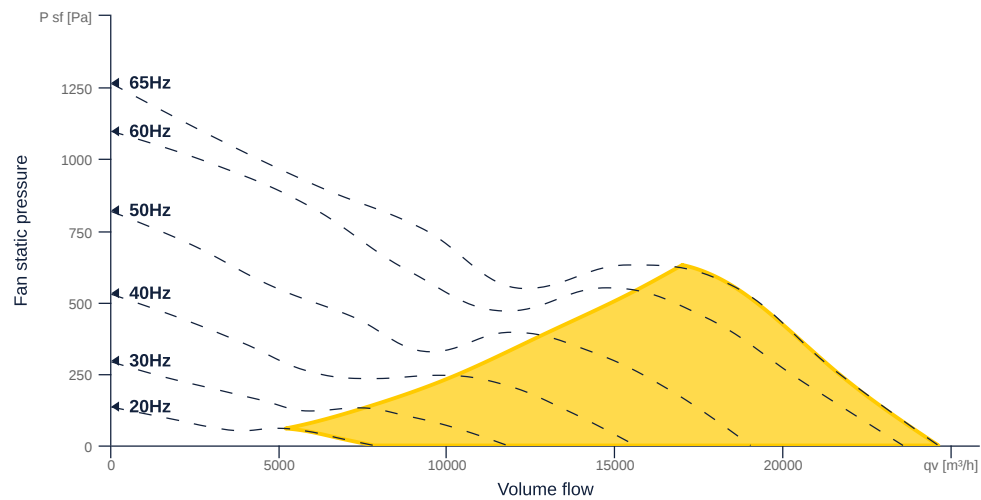
154152

- Innovative, high-efficiency axial fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing weight optimized, powder coated
- Efficient IE3 motor, frequency controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Exceeds current ErP regulation by 15 - 20%



FAN CURVES

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		$W \times H_{duct}$
Pipe connection size (DN)	DN630		DN
Rated voltage (entire device)	400	V	U_{rated}
Phases (entire device)	3~		phase
Electrical protection (entire device)	10 A		fuse
Housing material	Steel		matcasing
Impeller material	Steel		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP66		IPebox
Weight	65.2	kg	m
Fan type	Axial		Fan _{type}
Category / Installation situation	B		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	3396	W	$P_{ed, max}$
Max. operating current (device)	9.1	A	$I_{ed, max}$
Max. speed	1910	1/min	n_{max}
Max. stat. efficiency	56.6	%	η_{es}
Max. fan efficiency	68.9	%	η_e
Max. flowrate	24620	m ³ /h	$Q_{v, max}$
Max. stat pressure	625	Pa	$p_{sf, max}$
Max. medium temperature	60	°C	$T_{m, max}$
Max. environment temperature	60	°C	$T_{amb, max}$
Min. environment temperature	-20	°C	$T_{amb, min}$



MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		AC 3~		phase
Control type		frequency-controlled		ctrltype
Installation type		IRM (In)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwrsupmotor
Number of poles (1)		4.000000		num polesw1
Connection	Δ	Y		wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230	460	V	U _{rated, f1}
Rated voltage (wiring 2)	400		V	U _{rated, f2}
Rated current	14.3	7.28	A	I _{rated, f1}
Rated current (wiring 2)	8.2		A	I _{rated, f2}
Shaft power	4000	4000	W	P _{out, f1}
Shaft power (wiring 2)	4000		W	P _{out, f2}
Speed	1450	1755	1/min	n _{f1}
Speed (wiring 2)	1450		1/min	n _{f2}
Starting current	100	58.2	A	I _{start, f1}
Starting current (wiring 2)	57.4		A	I _{start, f2}
Efficiency	89.1	89.5	%	η _{m, f1}
Efficiency (wiring 2)	89.1		%	η _{m, f2}
Efficiency class	IE3	IE3		IE _{motor}
Min. temperature	-20	-20	°C	T _{motor, min}
Cos Phi	0.790000	0.770000		cos φ
UL-Certification motor		UL recognized		ULcert

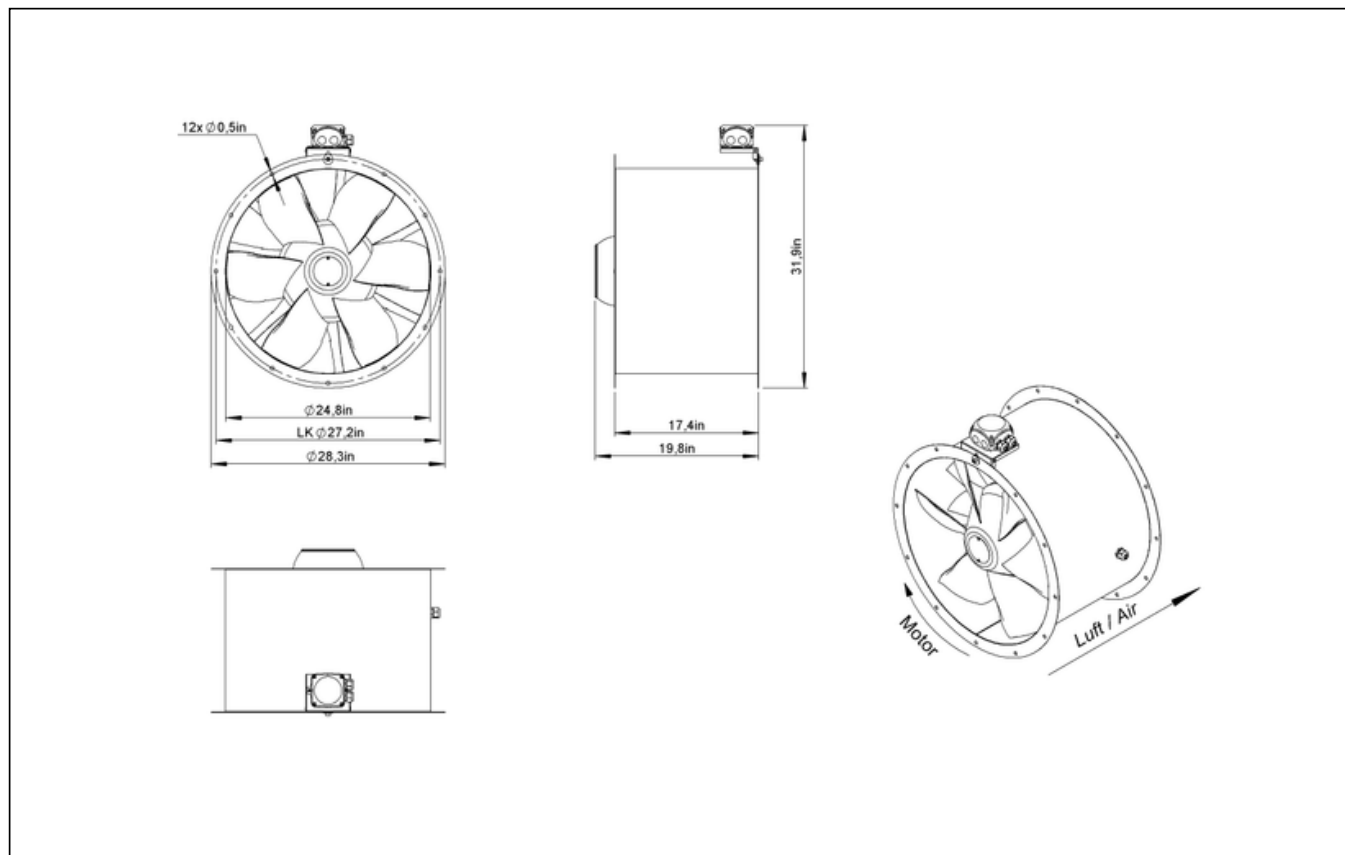
ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	1890	1/min	n _{opt}
Efficiency level	72.5	%	N
Efficiency category	total		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	5.09	kW	P _{e, opt}
Overall efficiency	74.4	%	η _{ges}
Measurement category	B		meas cat
Fan pressure at energy efficiency optimum	716	Pa	p _{f, opt}
Flowrate at energy efficiency optimum	18549	m³/h	Q _{v, opt}



to the product detail page

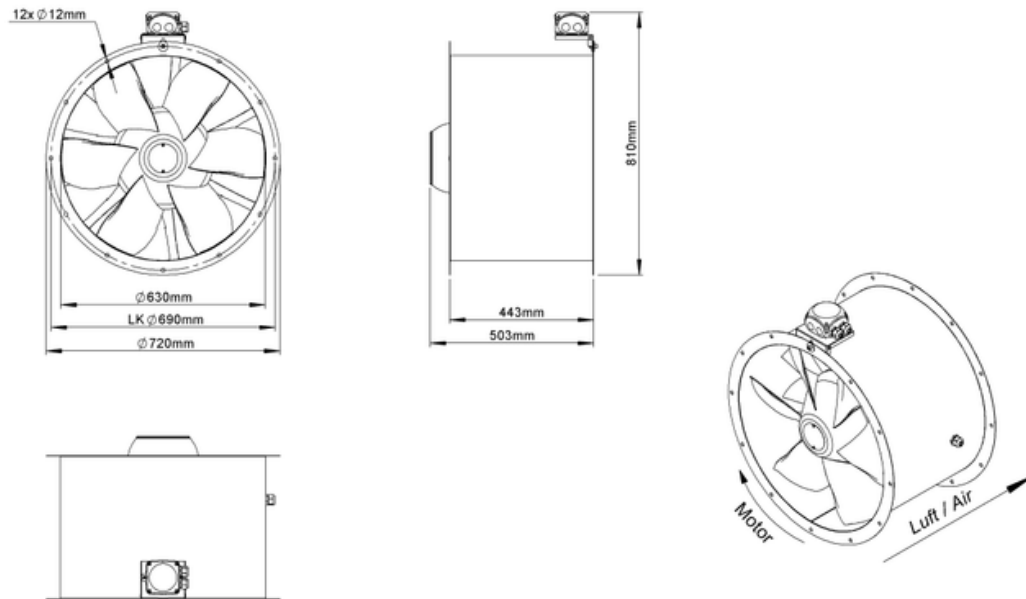
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



AL 630 D4 01

154152

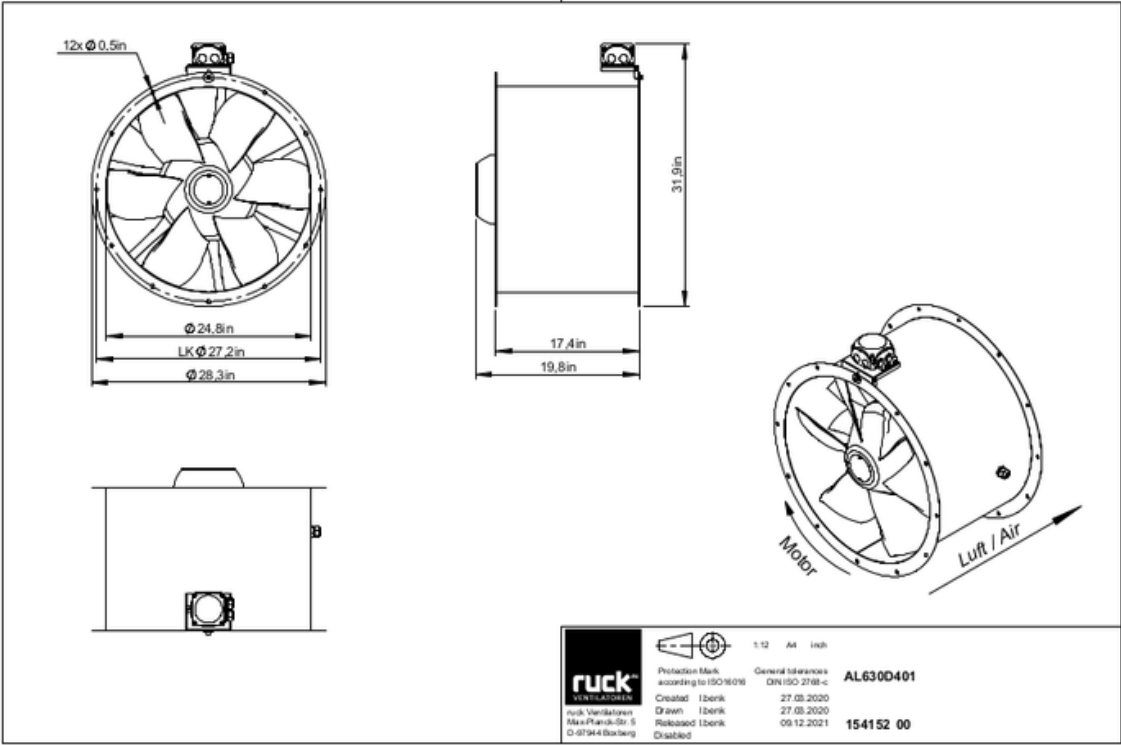
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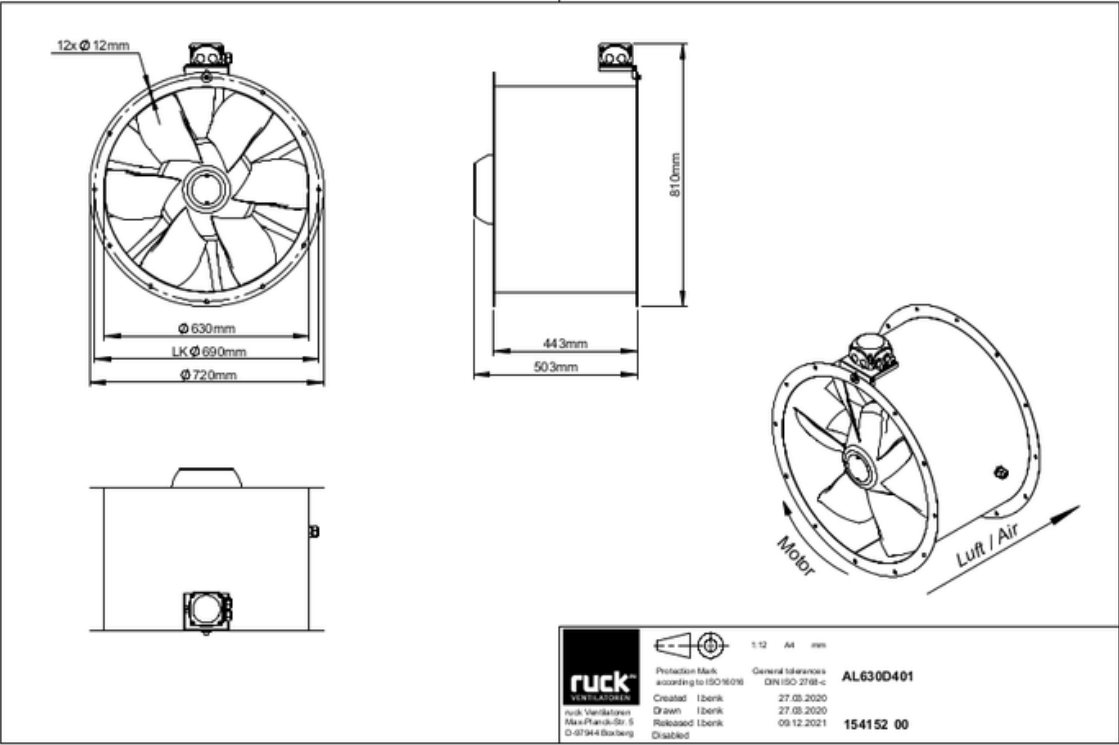
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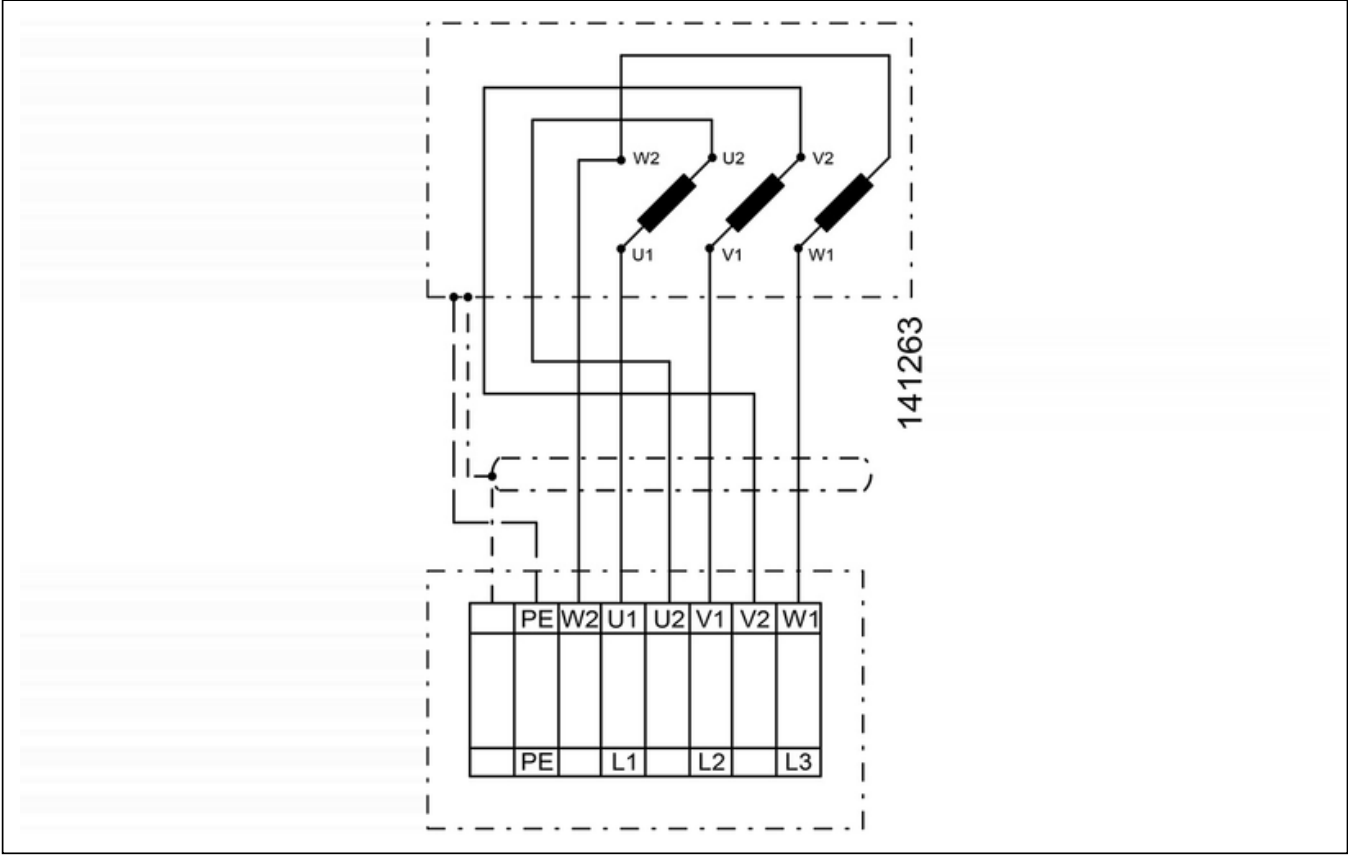
AL 630 D4 01

154152



AL 630 D4 01

154152



to the product detail page

MECHANICAL ACCESSORIES

RVK 630 | 153910



- Automatic tube shutter
- Sheet steel, powder coated
- For vertical installation
- Flange mounting

RVK H 630 | 155488



- Automatic tube shutter
- Sheet steel, powder coated
- For horizontal installation
- Flange mounting

RVS 630 | 154198



- Tube connection spigot
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting

ESD 630 | 153942



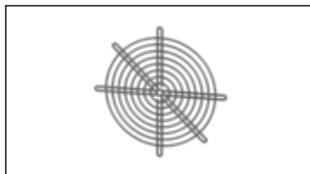
- Inlet cone
- Steel sheet, powder coated
- Flange mounting

FAL 630 | 154811



- Mounting foot
- Sheet steel, powder coated

SGW 710 | 154056



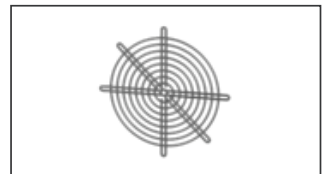
- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

FSD 03 | 155500



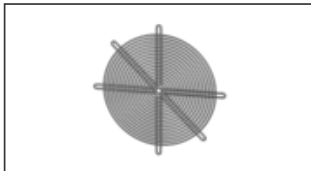
- Set of 4 vibration dampers
- All metal design, galvanized

SGW 630 | 154054



- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

SGE 630 | 154079



- Protection grille, narrow meshed
- Steel sheet, galvanized
- Flange mounting

RAF 630 | 154023



- Round flange
- Sheet steel, powder coated

RAS 630 | 154252



- Round spigot, flexible
- Galvanized steel sheet, plastic band (PES)
- Temperature resistant up to 75 °C
- Flange mounting

FSD 06 | 155503



- Set of 4 vibration dampers
- Made of natural rubber, hardness 55 Shore A

MR 630 | 165852



- Mounting ring
- For vertical mounting
- Powder-coated sheet steel
- Flange mounting DN 630



ELECTRICAL ACCESSORIES

GS 02 | 105386



- Isolator switch
- $U_{max} = 400 \text{ V}$, 50/60 Hz
- Switching capacity 400 V 3~ = 5,5 kW
- $I_{max} = 16 \text{ A}$

MS 04 | 140413



- Motor protection switch with Isolator switchfunktion
- $I_{max} = 400 \text{ V}$, 50/60 Hz
- Max. 4 kW
- Protection class IP 55

MTP 20 | 128146



- Potentiometer 10 k Ω
- Switching contact 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C
- VDE

MTP 30 | 143289



- Stepped potentiometer 10 k Ω
- Step 1 + 2 settable 10 % - 100 % Vdc
- Step 3 100 % Vdc
- Supply voltage +10 Vdc

SEN AIR | 148641



- Airflow and temperature transducer
- Measuring range temperature 0...+50 °C
- With adjustable switching threshold (air speed)
- Measuring range air velocity up to 20 m/s

CON P1000 | 115259



- Constant pressure control
- Actual value display possible via optional control unit
- Output 0-10 V DC + FC enable + setpoint reached
- Pressure setting by means of decade switch

FU 55 15 | 155178



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Protection class IP 20, for switch cabinet

FU 55 16 | 155179



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Fire mode function (smoke extract fans)

