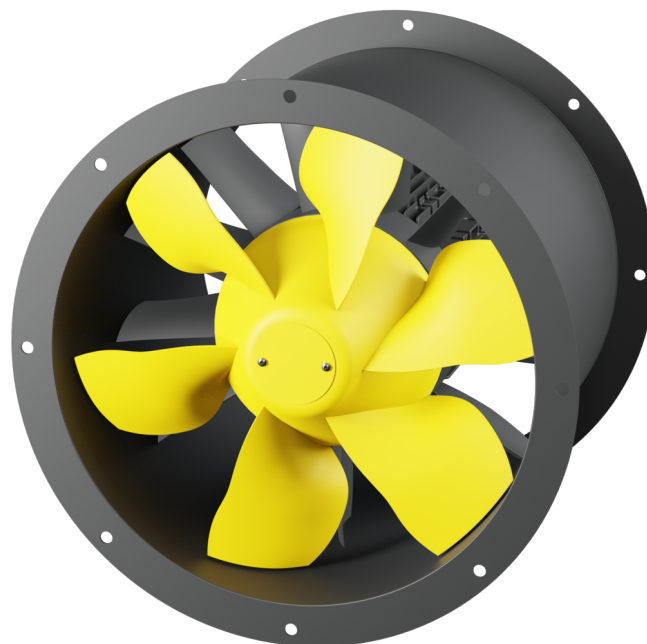


AL 630 D6 F4 01

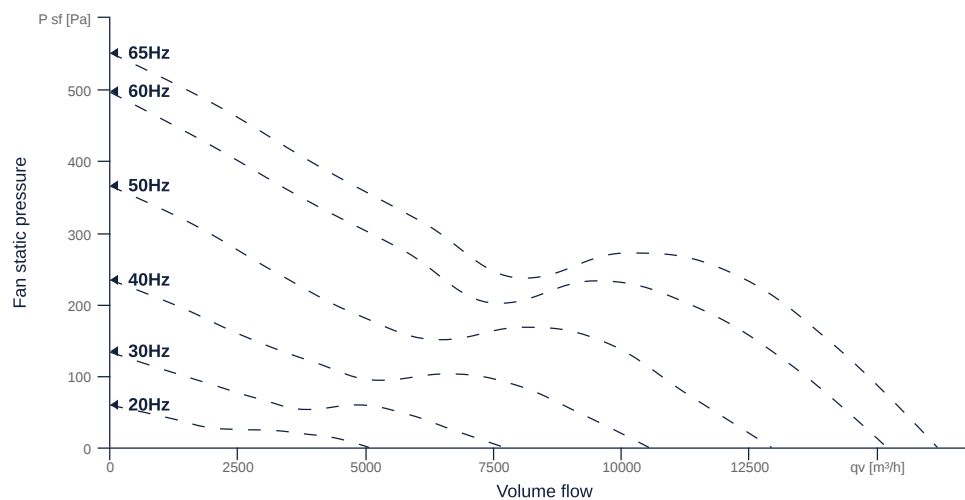
154714

- Innovative, high-efficiency axial fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing weight optimized, powder coated
- Efficient IE3 motor, frequency controllable
- Smoke extract fan F400, 60 °C continuous operation, dual-use
- Exceeds current ErP regulation



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)	6 A		fuse
Housing material	Steel		matcasing
Impeller material	Steel		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP55		IPebox
Weight	62	kg	m
Fan type	Axial		Fan _{type}
Category / Installation situation	B		cat

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	1245	W	$P_{ed, max}$
Max. operating current (device)	2.95	A	$I_{ed, max}$
Max. speed	1260	1/min	n_{max}
Max. stat. efficiency	48.9	%	η_{es}
Max. fan efficiency	62.8	%	η_e
Max. flowrate	16170	m ³ /h	$Q_{v, max}$
Max. stat pressure	260	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
Isolation class		ISO H		ISOclass
Protection class		IP55		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 3~		pwsupmotor
Number of poles (1)		6.000000		num polesw1
Connection	Δ	Y		wiringw1
Connection (wiring 2)	Y			wiringw2
Rated voltage	230	460	V	Urated, f1
Rated voltage (wiring 2)	400		V	Urated, f2
Rated current	4.68	2.35	A	Irated, f1
Rated current (wiring 2)	2.69		A	Irated, f2
Shaft power	1100	1100	W	Pout, f1
Shaft power (wiring 2)	1100		W	Pout, f2
Speed	945	1155	1/min	n _{f1}
Speed (wiring 2)	945		1/min	n _{f2}
Starting current	22.9	13.4	A	Istart, f1
Starting current (wiring 2)	13.2		A	Istart, f2
Efficiency	81	84	%	η _m , f1
Efficiency (wiring 2)	81		%	η _m , f2
Efficiency class	IE3	IE3		IE _{motor}
Min. temperature	-20	-20	°C	T _{motor} , min
Cos Phi	0.730000	0.700000		cos φ
UL-Certification motor		None		ULcert

ERP DATA (LOT11)

Name	Value	Unit	Formula symbol
Speed at the energy efficiency optimum	1249	1/min	n _{opt}
Efficiency level	66.6	%	N
Efficiency category	total		cat _{efficiency}
Input power of the motor at the energy efficiency optimum	1.59	kW	P _e , opt
Overall efficiency	71.7	%	η _{ges}
Measurement category	B		meas cat
Fan pressure at energy efficiency optimum	304	Pa	p _f , opt
Flowrate at energy efficiency optimum	12520	m³/h	Q _v , opt

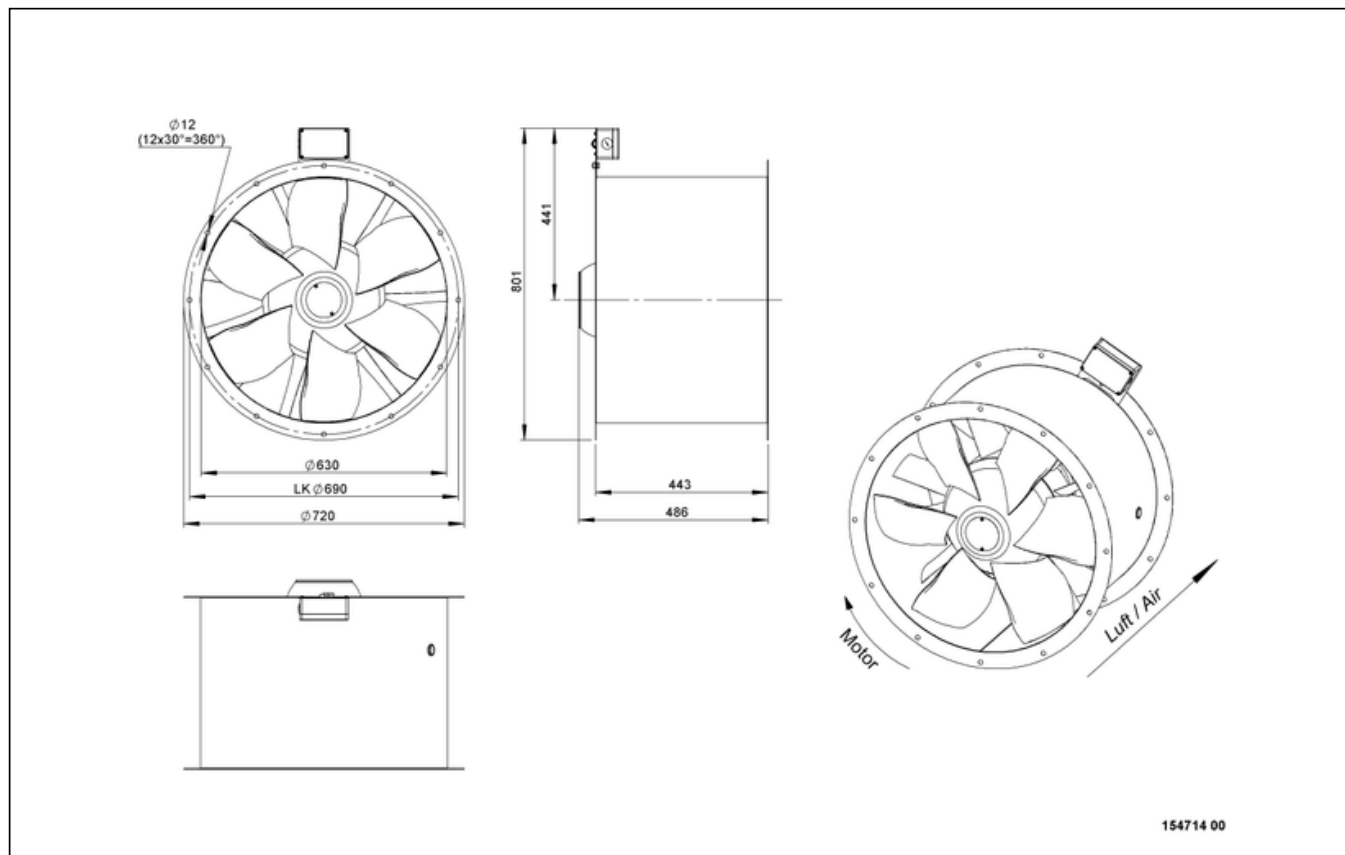


to the product detail page

SMOKE EXTRACT DATA

Name	Value	Unit	Formula symbol
Maximum resistance temperature	400	°C	T _{fire}
Maximum resistance time	120.000000		t _{fire}
Fire resistance class	F 400 (120)		F _{class}
Snow load class	-		SL _{class}

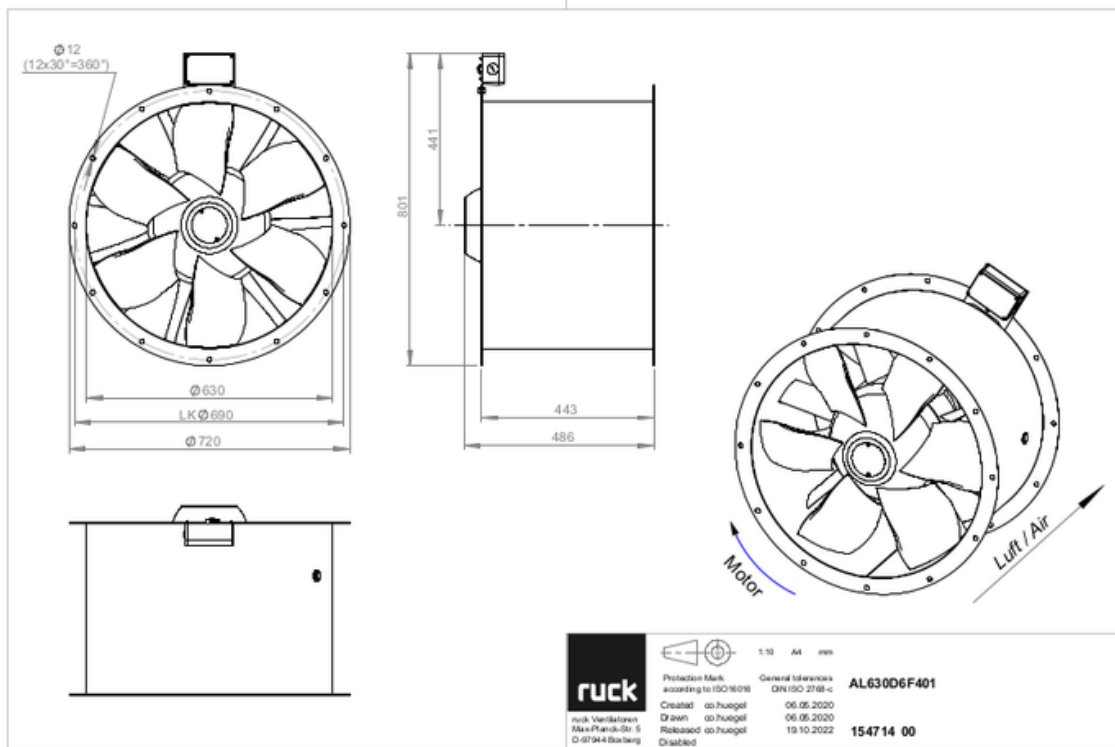
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

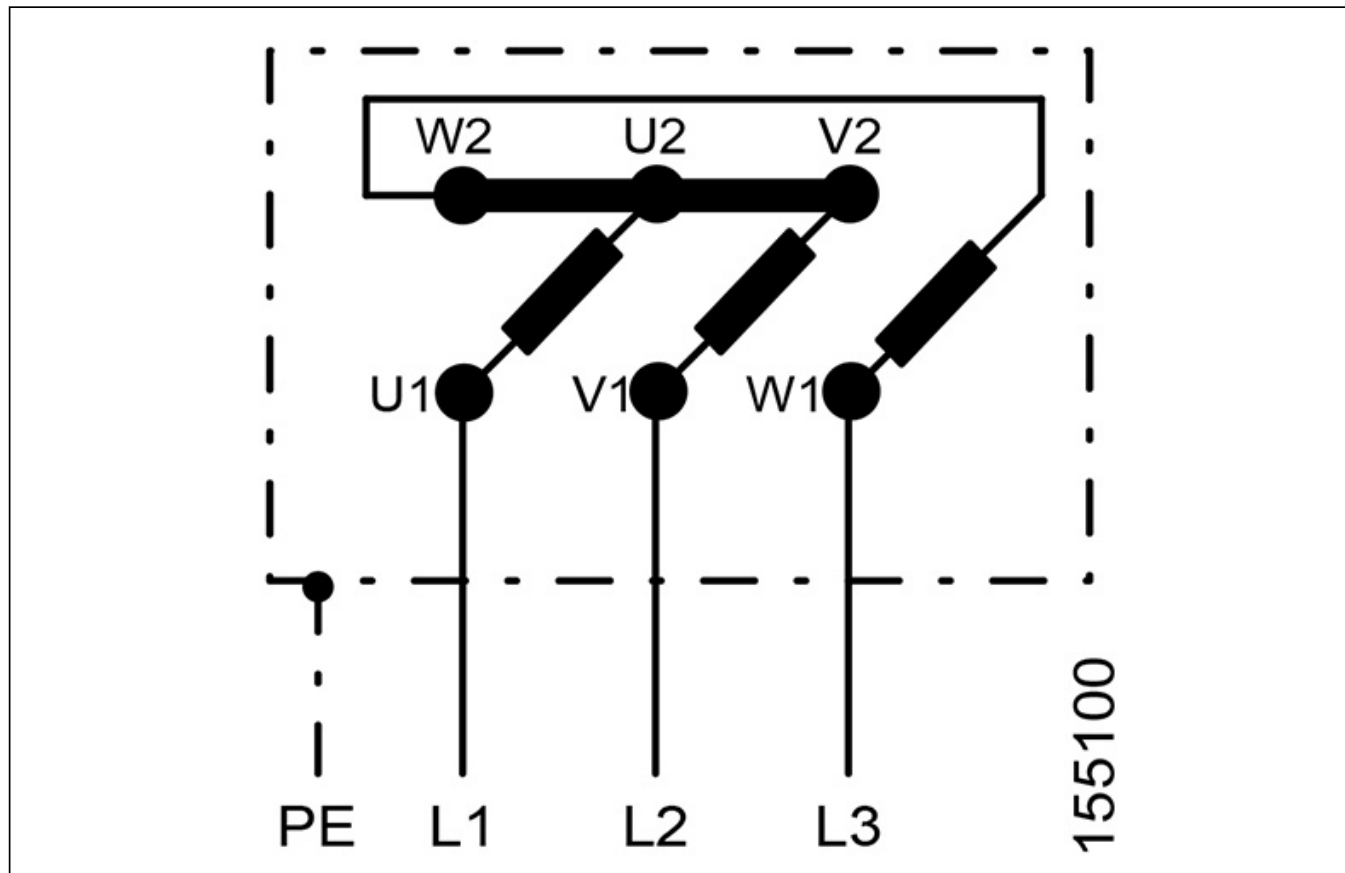


AL 630 D6 F4 01

154714

ruck

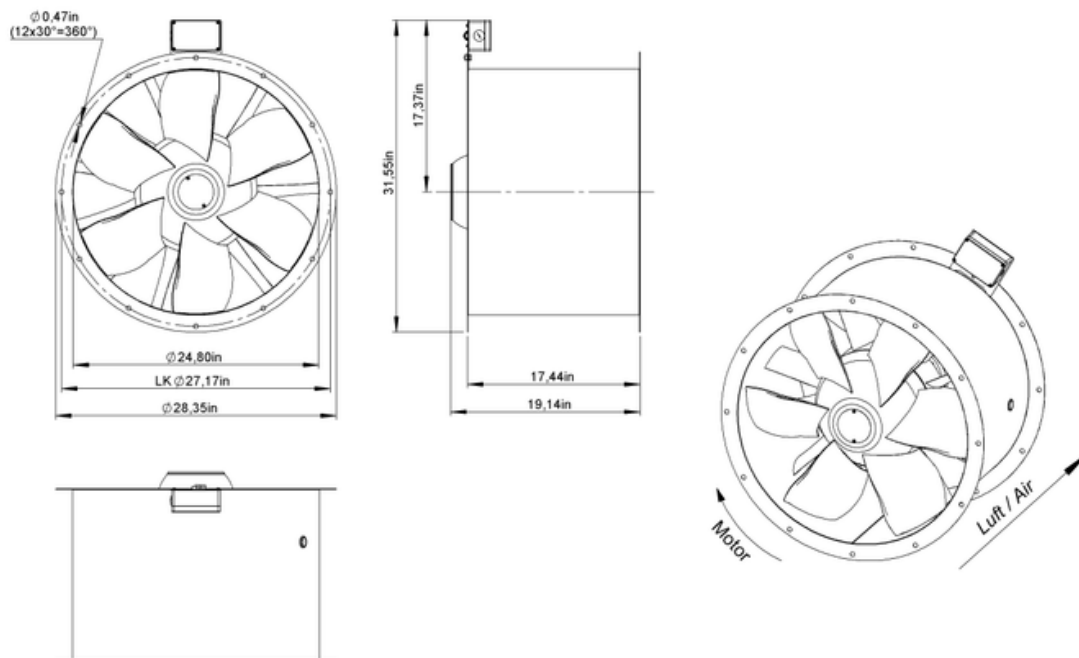




AL 630 D6 F4 01

154714

ruck

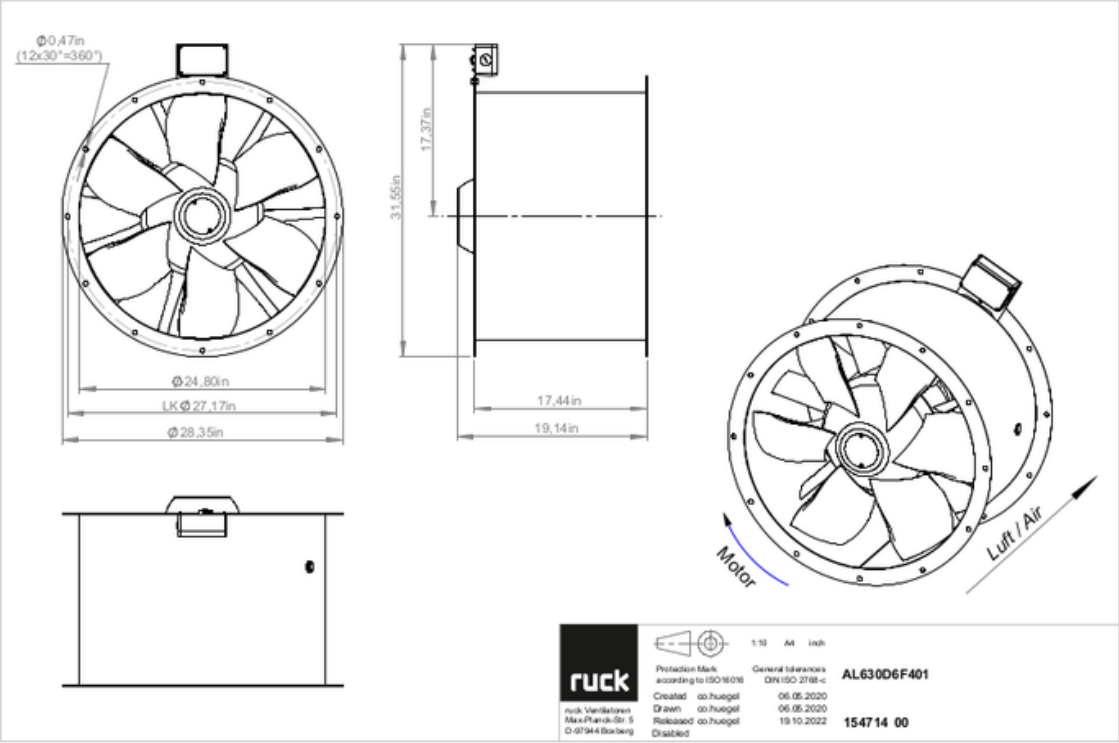


154714 00



to the product detail page

AL 630 D6 F4 01
154714



MECHANICAL ACCESSORIES

ESD 630 | 153942



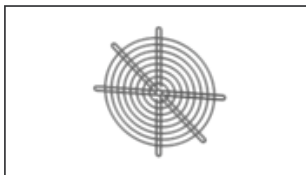
- Inlet cone
- Steel sheet, powder coated
- Flange mounting

RAF 630 | 154023



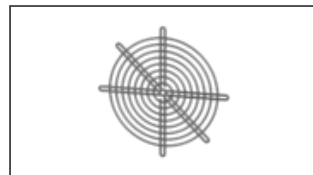
- Round flange
- Sheet steel, powder coated

SGW 630 | 154054



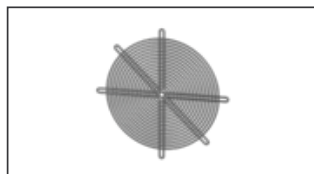
- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

SGW 710 | 154056



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

SGE 630 | 154079



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

RVS 630 | 154198



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

RAS 630 F4 | 154308



- Round spigot, flexible
- Galvanized steel sheet, silicone band
- 400 °C/120 min. conf. DIN EN 12101-3
- F400, 75 °C continuous operation
- Flange mounting

RVK 630 F4 | 154398



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

FAL 630 | 154811



- Mounting foot
- Sheet steel, powder coated

FSD 02 | 155499



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

RVK H 630 F4 | 155672



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



to the product detail page

ELECTRICAL ACCESSORIES

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

MTP 20 | 128146



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

MTP 30 | 143289



- Stepped potentiometer 10 kΩ
- 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

GS 08-F4 | 154397



- Device switch with holder
- F400, 400 °C/120 min (DIN EN 12101-3)
- Umax = 400 V, 50/60 Hz, Imax = 25 A
- Switching capacity 400 V 3~ = 7,5 kW

FU 15 33 | 155181



- Frequency converter IP66
- Supply voltage 230 V 1~ 50/60 Hz
- Output voltage 0 - 230 V 3~
- Fire mode function (smoke extract fans)

FU 15 35 | 155183



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



to the product detail page