

Faster – better – everywhere.





SK 3241.700 Blue e+ filter fan

State: 24/08/2025 (Source: rittal.com/com-en)



FRIEDHELM LOH GROUP

ENCLOSURES

SK 3241.700 - Blue e+ filter fan

Complete fan-and-filter units for tool-free installation in surfaces. Air throughput $20 - 1,160 \text{ m}^3/\text{h}$, protection category IP 54 as standard.



Features

Model No.	SK 3241.700
Design	wall-mounted
Product description	Fan-and-filter units with diagonal fan technology have superior pressure stability and ensure a more constant air throughput. The diagonal direction of outflow ensures more even heat dissipation from the enclosure.
Benefits	Maximum air throughput via pleated filter included in the delivered state
	Easy filter changes, thanks to a new opening mechanism on the louvred grille
	Faster installation on the enclosure with optimised detent hooks
	Diagonal fan technology achieves more even and constant
	ventilation of the enclosure, thanks to improved pressure stability Tool-free assembly
Material	Plastic
Colour	RAL 7035
Supply includes	Complete unit ready to install, including pleated filter
Fan	Diagonal, shaded pole motor

Features

(with chopped-fibre filter)At 60 Hz: 245 m³/hAir throughput, unimpeded airflow (with pleated filter)At 50 Hz: 272 m³/h At 60 Hz: 280 m³/hAir throughput with matching outlet filter including chopped-fibre filterAt 50 Hz: 173 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 242 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 242 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 246 m³/hRated operating voltage230 V, 1~, 50 Hz/60 HzPower consumption PelAt 50 Hz: 43.2 W At 60 Hz: 54.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out width: 224 mmIP protection category to IEC 60 ES29IP 54 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used		
Air throughput, unimpeded airflow (with pleated filter)At 50 Hz: 272 m³/h At 60 Hz: 280 m³/hAir throughput with matching outlet filter including chopped-fibre filterAt 50 Hz: 173 m³/h At 60 Hz: 187 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 242 m³/h At 60 Hz: 246 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 242 m³/h At 60 Hz: 246 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 43.2 W At 60 Hz: 245 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 43.2 W At 60 Hz: 245 m³/hRated operating voltage230 V, 1~, 50 Hz/60 HzPower consumption PelAt 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out width: 224 mmIP protection category to IEC 60 S29IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237,XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	Air throughput, unimpeded airflow	
(with pleated filter)At 60 Hz: 280 m³/hAir throughput with matching outlet filter including chopped-fibre filterAt 50 Hz: 173 m³/h At 60 Hz: 187 m³/hAir throughput with matching outlet filter including pleated filterAt 50 Hz: 242 m³/h At 60 Hz: 246 m³/hRated operating voltage230 V, 1~, 50 Hz/60 HzPower consumption PelAt 50 Hz: 43.2 W At 60 Hz: 24.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmProtection category to IEC 60 S29IP 54 with chopped-fibre filter/pleated filter IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237 XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used	(with chopped-fibre filter)	At 60 Hz: 245 m³/h
Air throughput with matching At 50 Hz: 173 m³/h Air throughput with matching At 60 Hz: 187 m³/h filter At 60 Hz: 187 m³/h Air throughput with matching At 50 Hz: 242 m³/h outlet filter including pleated filter At 50 Hz: 242 m³/h Rated operating voltage 230 V, 1~, 50 Hz/60 Hz Power consumption Pel At 50 Hz: 0.27 A At 60 Hz: 0.32 A At 60 Hz: 0.32 A Dimensions Width: 255 mm Depth: 129 mm Depth: 129 mm Installation depth 108 mm Mounting cut-out Cut-out width: 224 mm Cut-out width: 224 mm Cut-out width: 224 mm Protection category to IEC 60 IP 55 with pleated filter and absorber mat S29 IP 56 with chopped-fibre filter/pleated filter Protection category NEMA Type 12 with chopped-fibre filter/pleated filter and hose-proof hood Protection category NEMA Type 12 with chopped-fibre filter/pleated filter and hose-proof hood Pre-fuse Miniature circuit-breaker/fuse: 4 A Note With the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used Operating temperature range <td>Air throughput, unimpeded airflow</td> <td>At 50 Hz: 272 m³/h</td>	Air throughput, unimpeded airflow	At 50 Hz: 272 m³/h
Duttet filter including chopped-fibre At 60 Hz: 187 m³/h Air throughput with matching At 50 Hz: 242 m³/h Air throughput with matching At 50 Hz: 242 m³/h Air throughput with matching At 60 Hz: 246 m³/h Rated operating voltage 230 V, 1~, 50 Hz/60 Hz Power consumption Pel At 50 Hz: 43.2 W At 60 Hz: 0.27 A At 60 Hz: 0.32 A Dimensions Width: 255 mm Depth: 129 mm Depth: 129 mm Installation depth 108 mm Mounting cut-out Cut-out width: 224 mm Cut-out width: 224 mm Cut-out width: 224 mm Protection category to IEC 60 IP 54 with chopped-fibre filter/pleated filter F19 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter Protection category NEMA Type 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hood Pre-fuse Miniature circuit-breaker/fuse: 4 A Note With the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used Operating temperature range -30 °C55 °C	(with pleated filter)	At 60 Hz: 280 m³/h
filter Air throughput with matching outlet filter including pleated filter At 50 Hz: 242 m³/h At 60 Hz: 246 m³/h Rated operating voltage 230 V, 1~, 50 Hz/60 Hz Power consumption Pel At 50 Hz: 43.2 W At 60 Hz: 54.5 W Rated current max. At 50 Hz: 0.27 A At 60 Hz: 0.32 A Dimensions Width: 255 mm Height: 255 mm Depth: 129 mm Installation depth 108 mm Mounting cut-out Cut-out width: 224 mm Cut-out height: 224 mm Pip protection category to IEC 60 IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hood Protection category NEMA Type 12 with chopped-fibre filter/pleated filter and hose-proof hood Pre-fuse Miniature circuit-breaker/fuse: 4 A Note With the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used	Air throughput with matching	At 50 Hz: 173 m³/h
outlet filter including pleated filterAt 60 Hz: 246 m³/hRated operating voltage230 V, 1~, 50 Hz/60 HzPower consumption PelAt 50 Hz: 43.2 W At 60 Hz: 54.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out width: 224 mm Cut-out height: 224 mmP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	outlet filter including chopped-fibre filter	At 60 Hz: 187 m³/h
Rated operating voltage230 V, 1~, 50 Hz/60 HzPower consumption PelAt 50 Hz: 43.2 W At 60 Hz: 54.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm 	Air throughput with matching	At 50 Hz: 242 m³/h
Power consumption PelAt 50 Hz: 43.2 W At 60 Hz: 54.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and over the system o	outlet filter including pleated filter	At 60 Hz: 246 m³/h
At 60 Hz: 54.5 WRated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used	Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Rated current max.At 50 Hz: 0.27 A At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used	Power consumption Pel	At 50 Hz: 43.2 W
At 60 Hz: 0.32 ADimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used		At 60 Hz: 54.5 W
DimensionsWidth: 255 mm Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter Type 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose-proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used	Rated current max.	At 50 Hz: 0.27 A
Height: 255 mm Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		At 60 Hz: 0.32 A
Depth: 129 mmInstallation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	Dimensions	Width: 255 mm
Installation depth108 mmMounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter 1P 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		-
Mounting cut-outCut-out width: 224 mm Cut-out height: 224 mmIP protection category to IEC 60 529IP 54 with chopped-fibre filter/pleated filter IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		Depth: 129 mm
Cut-out height: 224 mmIP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter529IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	Installation depth	108 mm
IP protection category to IEC 60IP 54 with chopped-fibre filter/pleated filter529IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	Mounting cut-out	Cut-out width: 224 mm
529IP 55 with pleated filter and absorber mat IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		Cut-out height: 224 mm
IP 56 with chopped-fibre filter/pleated filter and hose-proof hoodProtection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	IP protection category to IEC 60	IP 54 with chopped-fibre filter/pleated filter
Protection category NEMAType 12 with chopped-fibre filter/pleated filter Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	529	· · · · · · · · · · · · · · · · · · ·
Type 3, 3R, 4, 4X with chopped-fibre filter/pleated filter and hose- proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		IP 56 with chopped-fibre filter/pleated filter and hose-proof hood
proof hoodPre-fuseMiniature circuit-breaker/fuse: 4 ANoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C	Protection category NEMA	
Pre-fuse Miniature circuit-breaker/fuse: 4 A Note With the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used Operating temperature range -30 °C55 °C		•••••••••••••••••••••••••••••••••••••••
NoteWith the filter fan 3237.XXX, electrical connection is made via two single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is usedOperating temperature range-30 °C55 °C		proof nood
single wires (length approx. 300 mm) on the unit, for all other filter fans, a screwless spring terminal is used Operating temperature range -30 °C55 °C	Pre-fuse	Miniature circuit-breaker/fuse: 4 A
fans, a screwless spring terminal is used Operating temperature range -30 °C55 °C	Note	With the filter fan 3237.XXX, electrical connection is made via two
Operating temperature range -30 °C55 °C		
		tans, a screwless spring terminal is used
Storage temperature range -30 °C70 °C	Operating temperature range	-30 °C55 °C
	Storage temperature range	-30 °C70 °C

Features

Noise level	At 50 Hz: 53 dB(A)
	At 60 Hz: 54 dB(A)
Packs of	1 pc(s).
Net weight	2.2
Gross weight	2.402
Customs tariff number	84145915
EAN	4028177998063
ETIM 9	EC000320
ETIM 8	EC000320
ECLASS 8.0	27180716

Approvals

Approvals	CSA 30 - KC Korea UL + C-UL - FTTA UR + C-UR (recognized)
Explanations	Declaration of conformity