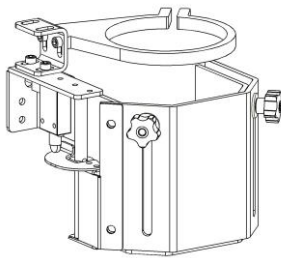
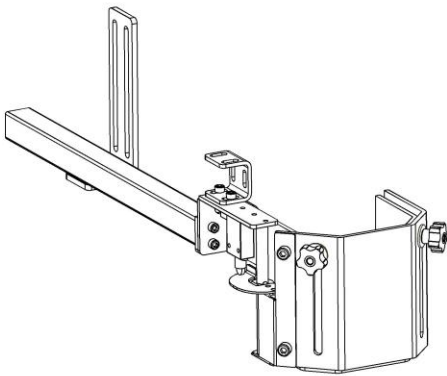
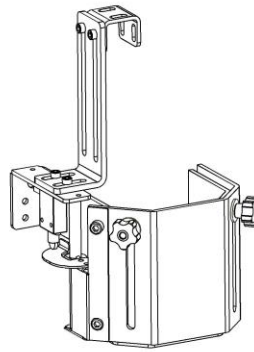
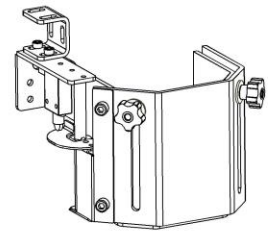


USER INSTRUCTIONS

Drilling machine spindle protector KSL-U-, KSL-MDG-



KSL-MDG-KV-

KSL-U-KV-
(Option 1)KSL-U-KV-
(Option 2)KSL-U-KV-
(Option 3)

Uses

The protector is meant to be used as the spindle protector of a column-type drilling machine.

Dimensions

KSL-MDG-

The protector's overall dimensions are 195 x 280 x 165 mm. Depending on the installation collar, the protector has a total mass of approx. 2,4 kg.

KSL-U-

The protector's overall dimensions are 235 x 370 x 560 mm. The protector plate's fastening arms are 430 mm in length. The protector has a total mass of approx. 2.3 kg.

Protector plates

PL

The 2-part PETG protector plate serving as the protector has a width of 120 mm, 160 mm or 200 mm. When folded down, it has a height of 145 mm and when opened up it has a width of 250 mm.

ST

The 2-part steel net protector plate serving as the protector has a width of 120 mm. When folded down, it has a height of 145 mm and when opened up it has a height of 250 mm.

Installation

The protector can be installed by the user on the front side of the machine, behind the gearbox or around the collar of the spindle tube (Note: Not onto a rotating part). Two M6 screws are needed to fasten it. Placing the fastening console needs to be done so that the 2-part protector plate is positioned so that it is at an equal distance from the spindle when measured from each of its sides. The protector includes adjustment options easing the job of installing it. If unclear on any aspect of this, please contact the manufacturer. The microswitch connecting instructions are included if the protector is provided with a microswitch.

Operation

The protector plate locks into operating position in front of the spindle. When the guard is lifted from the handle, the protector plate opens 180° to the left. It is then possible to change the tool and the work piece. A protector provided with a microswitch prevents the machine from starting up if the protector is not fully in its operational position. The protector must not be used as a switch.

Inspection and maintenance

The protector plate should be kept clean in order to maintain good visibility. If severely scratched or cracked, the protector plate (PL) must be replaced with a new one. If the protector has been dented, e.g. the levers are bent, the damaged parts must be replaced with new parts. The protector plate (PL) needs to be replaced at intervals of 3–4 years. If the protector is provided with a microswitch, the functioning of the microswitch must be tested regularly. (E.g. weekly).

The warranty period is two (2) years from the date of purchase; the protector plate pair is not covered by the warranty.

Keuruun FinnSafety Oy

EC Declaration of conformity for machinery

(Machinery Directive 2006/42/EC, Annex II., sub. A)

EY-vaatimustenmukaisuusvakuutus koneesta

(Konedirektiivi 2006/42/EY, Liite II A)

EG-försäkran om maskinens överensstämmelse

(Maskindirektivet 2006/42/EG, bilaga 2, A)

Manufacturer / Valmistaja / Tillverkare: Keuruun FinnSafety Oy

Address / Osoite / Adress : PI 39, FI-42701 Keuruu

Name and address of the person authorised to compile the technical file:

Henkilön nimi ja osoite, joka on valtuutettu kokoamaan teknisen tiedoston:

Namn och adress till den person som är behörig att ställa samman den tekniska dokumentationen:

Name / Nimi / Namn: Mika Hetekorpi Address / osoite / Adress: Paljekuja 4 FI-42107 Keuruu

Herewith we declare that safety component

Vakuuttaa, että turvakomponentti

Försäkrar härmed att säkerhets komponent

FinnSafetySystem GUARD	KSL-	SN 0001400 – SN 0001999
FinnSafetySystem GUARD	KSL-	SN 0001400 – SN 0001999
FinnSafetySystem GUARD	KSL-	SN 0001400 – SN 0001999

- Is in conformity with the relevant provisions of the Machinery Directive (2006/42/EC)
- on konedirektiivin (2006/42/EY) asiaankuuluvien säännösten mukainen
- Har följande grundläggande krav i maskindirektivet (2006/42/EC) tillämpats och fullföljts

And are manufactured according standard: Guards SFS-EN ISO 14120

Ja on valmistettu standardin Guards SFS-EN ISO 14120mukaan

Vi försäkrar dessutom att standard Guards SFS-EN ISO 14120 har använts

Place,date / Paikka, aika / Ort och datum: Keuruu 01.01.2016

Signature / allekirjoitus / Signatur:

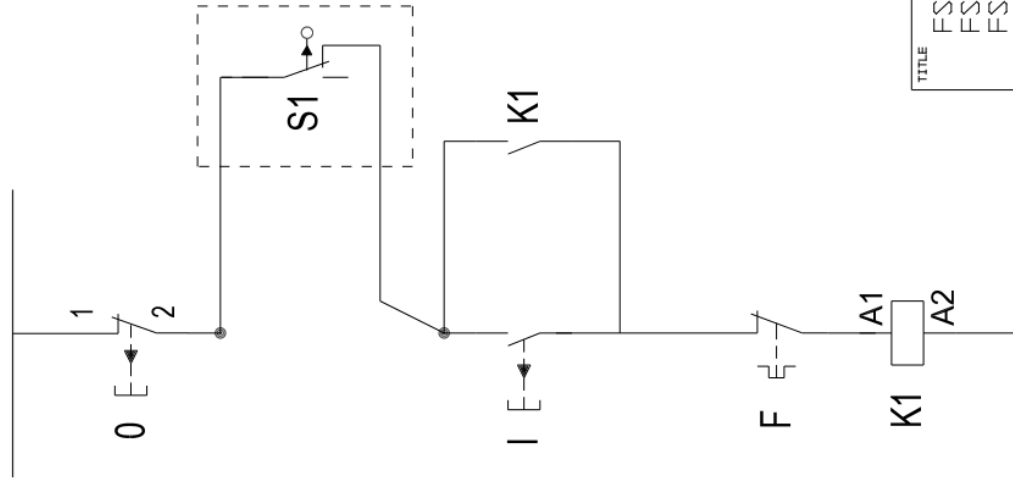
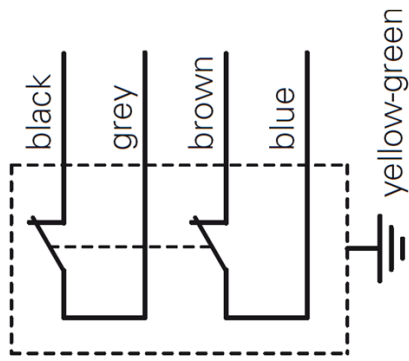


Mika Hetekorpi

Managing Director / toimitusjohtaja / VD

Internal connections of the cable

2NC



Rajakytkin kytketään koneen pääkelakytkimen ohjauspiiriin.
Kytchentä on myös merkittävä koneen omaan sähkökaavioon.

Mikrobrytar skall kopplas till huvudkontaktorns styrkrets.
Anteckning om detta måste göras på maskinens egen el-schema.

Der grenzscharter wird mit dem hauptspulenanschluss des
stromkreises verbunden. Der anschluss ist auch in der
stromkreiszeichnung der maschine zu vermerken.

The limit switch is connected to the control circuit of the main contactor.
The connection must also be recorded to the machine's own electric chart.

S1= Suojan rajakytkin
Mikrobrytare i skyddet
Grenzscharter der schutzvorrichtung
Limit switch of the guard

K1= Päämoottorin kontaktori
Kontaktor vid huvudmotor
Kontaktgeber des hauptmotors
Contactor of the main motor

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

A

B

C

Original 4 (4)

TITLE

FSS- Suojalaitteet
FSS- Maskinskydd
FSS- Maschinenschutzter
FSS- Machine guards

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firms or any third party.

DESIGNER

SIZE

A4



APPROVED

SCALE

1:1

REL. DATE 27.03.2012

WEIGHT

SHEET 1/1

REV