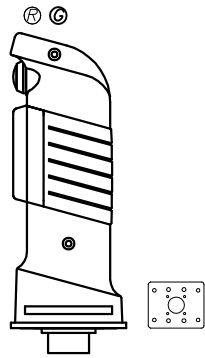
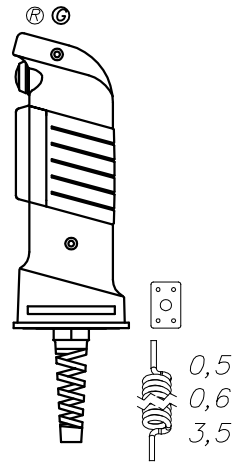


JSKD4  
20-002-00

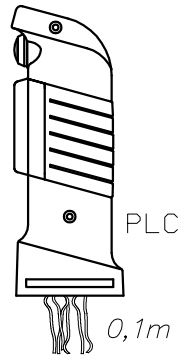


JSKD4D  
20-002-01



JSKD4DA  
20-002-11

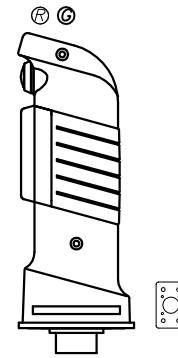
0,5  
0,6  
3,5



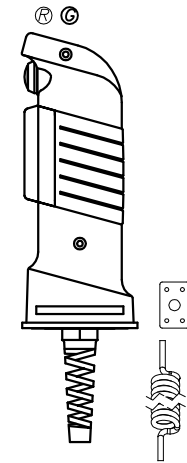
JSKD4DB  
20-002-21

PLC

0,1m

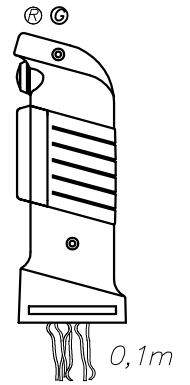


JSKD4DC  
20-002-27



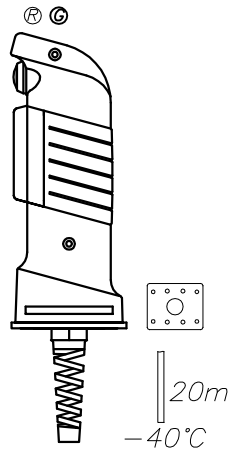
JSKD4DD  
20-002-40

?m



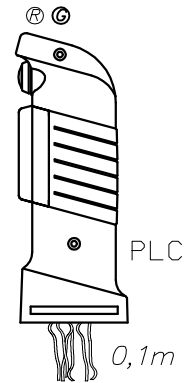
JSKD4DE  
20-002-34

0,1m



JSKD4DF  
20-002-52

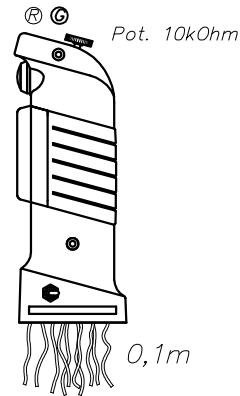
-40°C



JSKD4DH  
20-002-60

0,1m

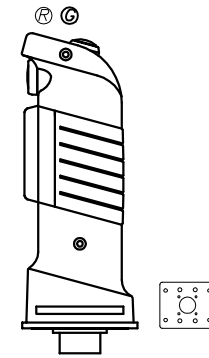
PLC



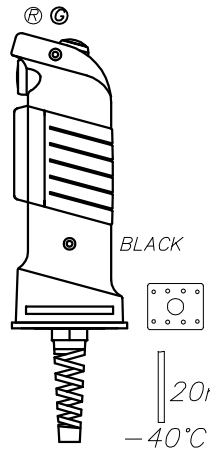
JSKD4DP  
20-002-73

0,1m

Pot. 10kOhm



JSKD4E  
20-002-03



JSKD4EA  
20-002-54

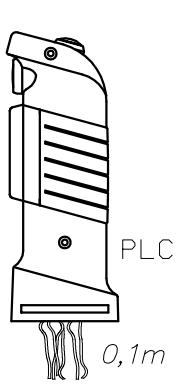
BLACK

-40°C

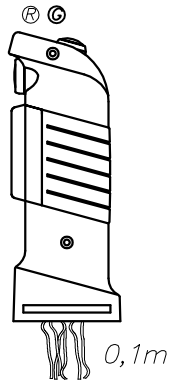
NOTE: This guide gives a quick overview of the main features of various enabling devices. Before ordering, it is advised to verify that all demands are fulfilled.

Nr. Ant. Ändring och/eller medd.-nr. Datum Inf. Godk.

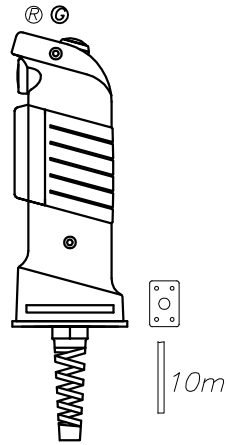
| 1               | -             | -         | -       | -      | -        | -                      | -               | -               | - |
|-----------------|---------------|-----------|---------|--------|----------|------------------------|-----------------|-----------------|---|
| Det.-nr         | Ant.          | Benämning |         |        | Material | Mod.-nr ömne Dimension | Anm             |                 |   |
| Konstr.         | Ritad. MARTIN | Kop.      | Konstr. | Stand. | Godk.    | Skidg 020208           | Ersätter 051020 | Ersatt av       |   |
| JOKAB SAFETY AB |               |           |         |        |          | 3-LÄGESHÄLLDON         | SID 1(6)        | 060207          |   |
|                 |               |           |         |        |          | SAMTL MODELLER         |                 | Rita.-nr VYSAMT |   |



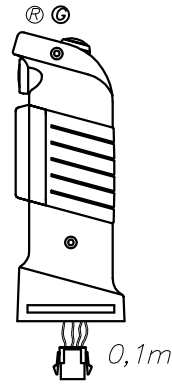
JSHD4EB  
20-002-22



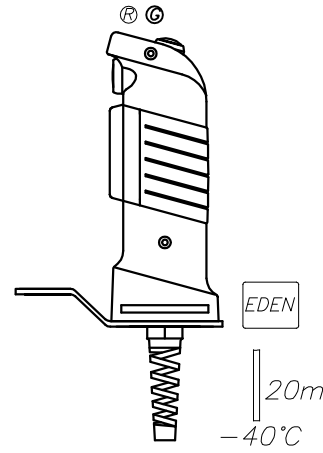
JSHD4EC  
20-002-28



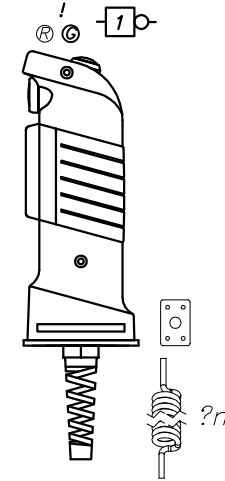
JSHD4EF  
20-002-23



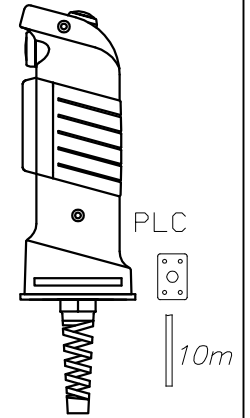
JSHD4EH  
20-002-53



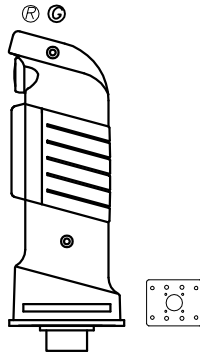
JSHD4EJ  
20-002-76



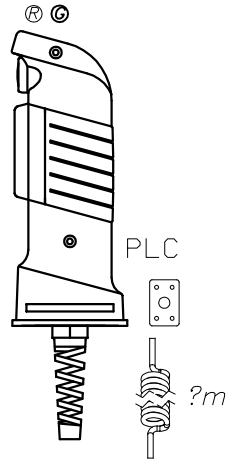
JSHD4EK  
20-002-93



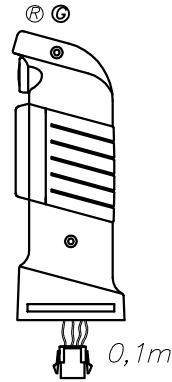
JSHD4EL  
20-002-09



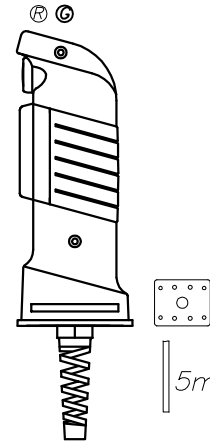
JSHD4F  
20-002-04



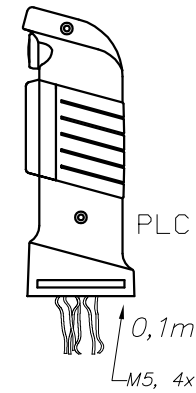
JSHD4FA  
20-002-79



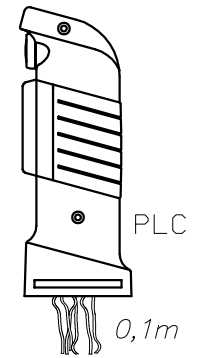
JSHD4FB  
20-002-56



JSHD4FC  
20-002-14



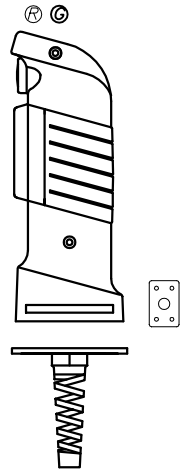
JSHD4FD  
20-002-15



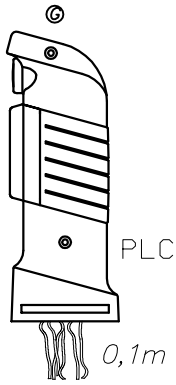
JSHD4FE  
20-002-17

| Det.-nr         | Ant.   | Benämning |        |        | Material | Mod.-nr ömne Dimension | Anm            |            |
|-----------------|--------|-----------|--------|--------|----------|------------------------|----------------|------------|
| 7               | -      | -         | -      | -      | -        | -                      | Erställt av    | Erstätt av |
| Konstr.         | Ritad. | Kop.      | Kontr. | Stand. | Godk.    | Skala                  | 051020         | 060207     |
| JOKAB SAFETY AB |        |           |        |        |          |                        | 3-LÄGESHÅLLDON | SID 2(6)   |
| SAMTL MODELLER  |        |           |        |        |          |                        | Ritn.-nr       | VYSAMT     |

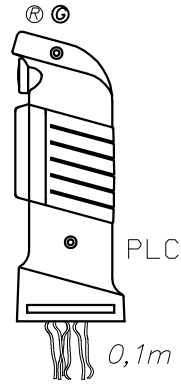
| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|
|     |      |                             |       |      |       |



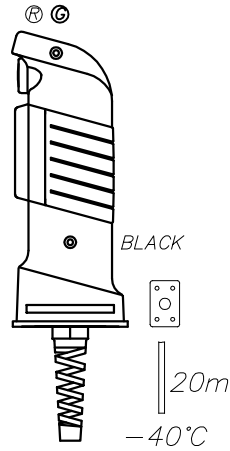
JSKD4FF  
20-002-26



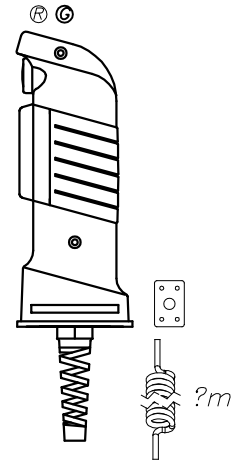
JSKD4FG  
20-002-25



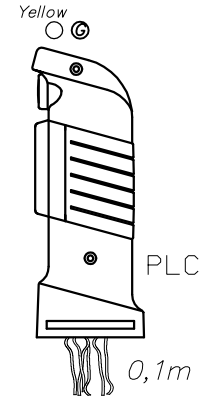
JSKD4FH  
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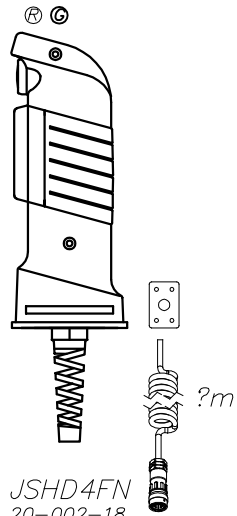
JSKD4FK  
20-002-39



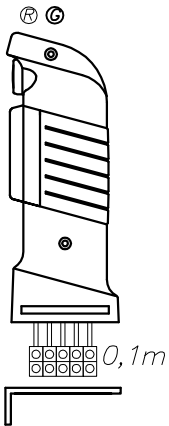
JSKD4FL  
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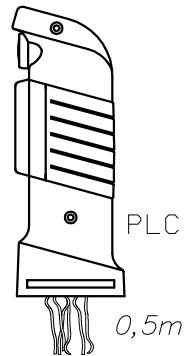
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20-002-42



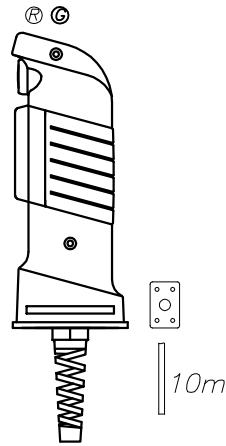
JSKD4FN  
20-002-18



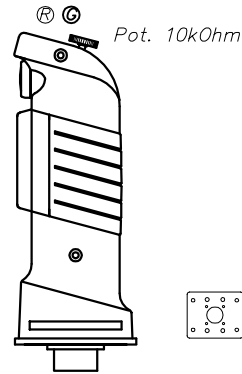
JSKD4FO  
20-002-62



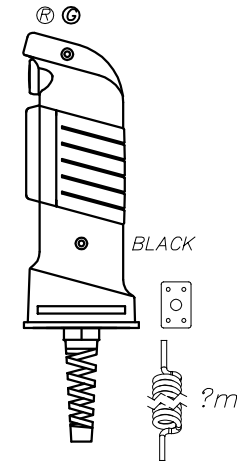
JSKD4FP  
20-002-46



JSKD4FS  
20-002-58



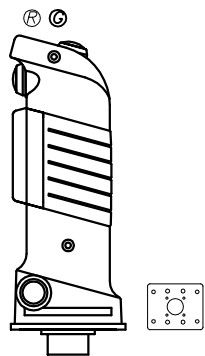
JSKD4FT  
20-002-92



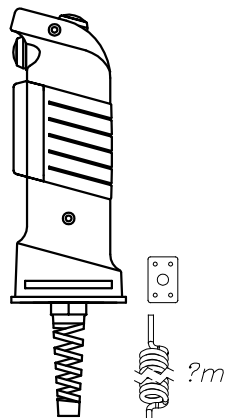
JSKD4FU  
20-002-81

| 7               | —             | —         | —      | —      | —        | —                      | —              | — | — | — | — | —        | —           | —         | — | — | — | — | — | — |
|-----------------|---------------|-----------|--------|--------|----------|------------------------|----------------|---|---|---|---|----------|-------------|-----------|---|---|---|---|---|---|
| Det.-nr         | Ant.          | Benämning |        |        | Material | Mod.-nr ömne Dimension | Anm            |   |   |   |   | Ersätter |             | Ersatt av |   |   |   |   |   |   |
| Konstr.         | Ritad. MARTIN | Kop.      | Kontr. | Stand. | Godk.    | Skala —                | 3-LÄGESHÅLLDON |   |   |   |   | 051020   | Dat. 060207 |           |   |   |   |   |   |   |
| JOKAB SAFETY AB |               |           |        |        |          |                        | SAMTL MODELLER |   |   |   |   | Ritn.-nr | VYSAMT      |           |   |   |   |   |   |   |

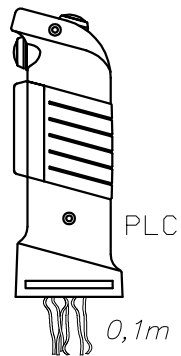
| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|
|-----|------|-----------------------------|-------|------|-------|



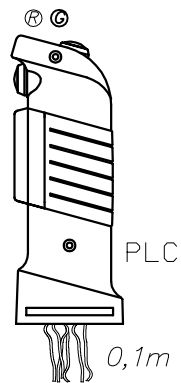
JSHD4K  
20-002-33



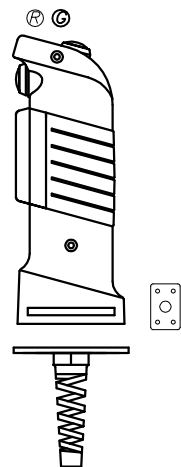
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20-002-32



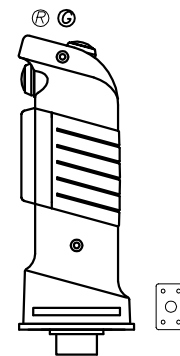
JSHD4MB  
20-002-20



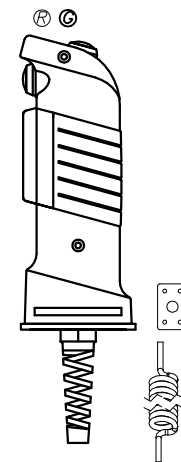
JSHD4MC  
20-002-29



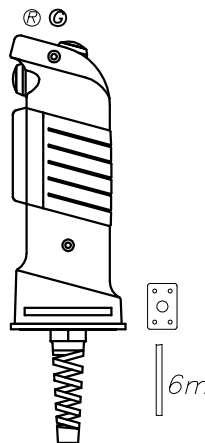
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20-002-41



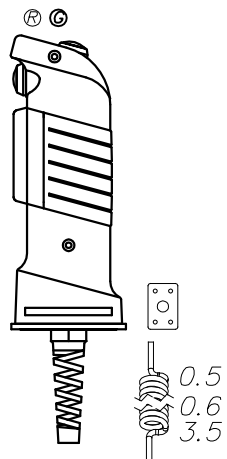
JSHD4ME  
20-002-36



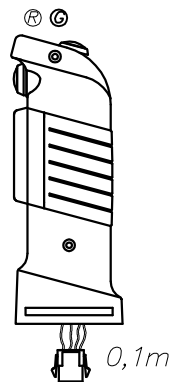
JSHD4MF  
20-002-51



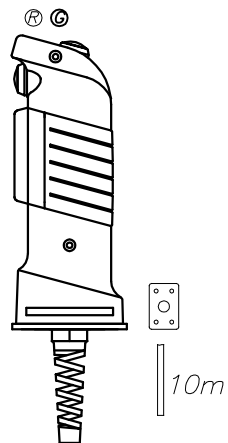
JSHD4MG  
20-002-43



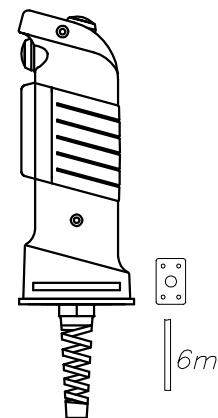
JSHD4MH  
20-002-50



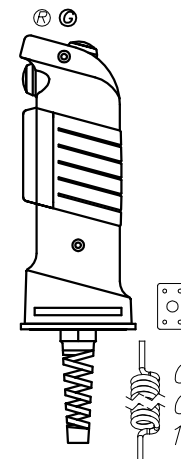
JSHD4MJ  
20-002-57



JSHD4MK  
20-002-59



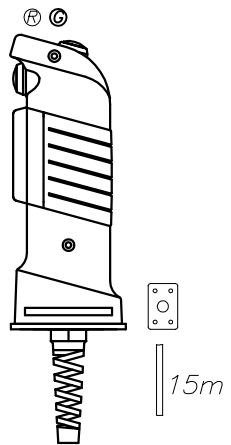
JSHD4MN  
20-002-64



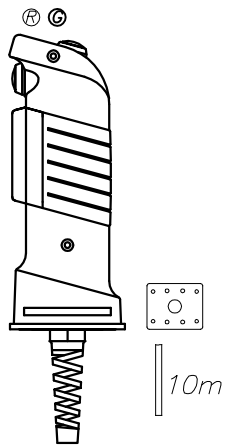
JSHD4MO  
20-002-66

| 1               | —      | —         | —      | —      | —        | —                      | —              | —          | —               |
|-----------------|--------|-----------|--------|--------|----------|------------------------|----------------|------------|-----------------|
| Det.-nr         | Ant.   | Benämning |        |        | Material | Mod.-nr ömne Dimension | Anm            |            |                 |
| Konstr.         | Ritad. | Kop.      | Kontr. | Stand. | Godk.    | Skala                  | —              | Erättat av | —               |
|                 | MARTIN |           |        |        |          |                        |                | 051118     |                 |
| JOKAB SAFETY AB |        |           |        |        |          |                        | 3-LÄGESHÅLLDON |            | SID 4(6)        |
|                 |        |           |        |        |          |                        | SAMTL MODELLER |            | 060207          |
|                 |        |           |        |        |          |                        |                |            | Ritn.-nr VYSAMT |

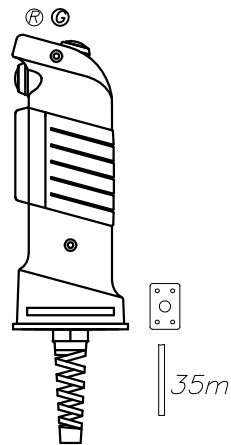
Nr. Ant. Ändring och/eller medd.-nr. Datum Inf. Godk.



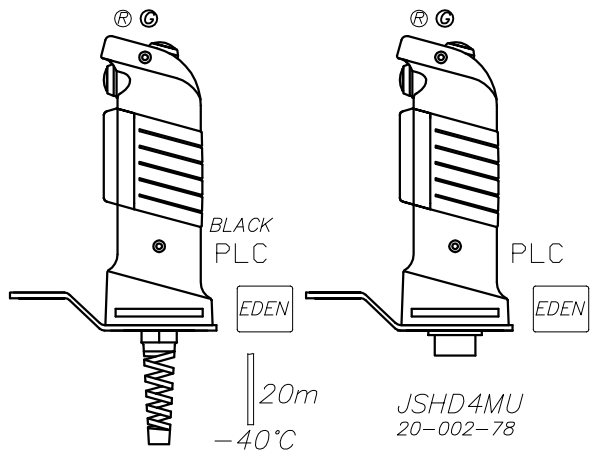
JSKD4MP  
20-002-67



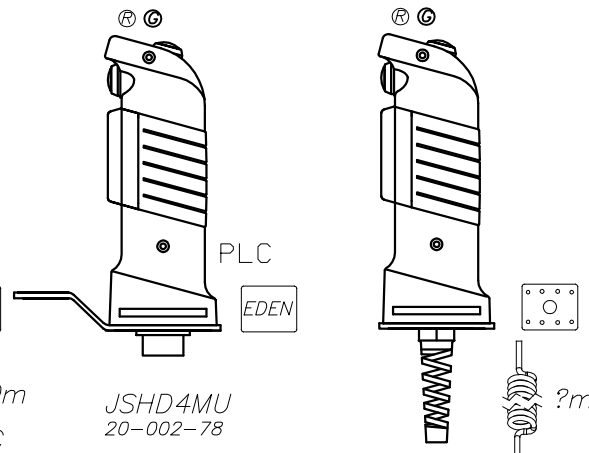
JSKD4MR  
20-002-68



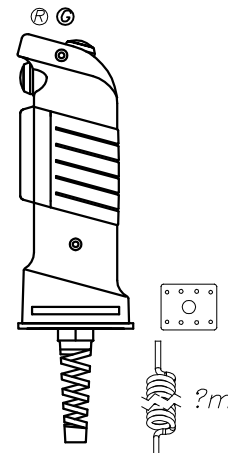
JSKD4MS  
20-002-75



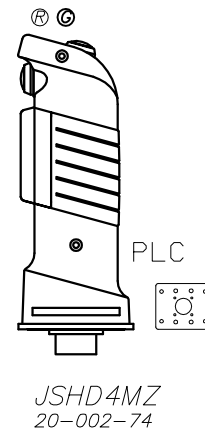
JSKD4MT  
20-002-77



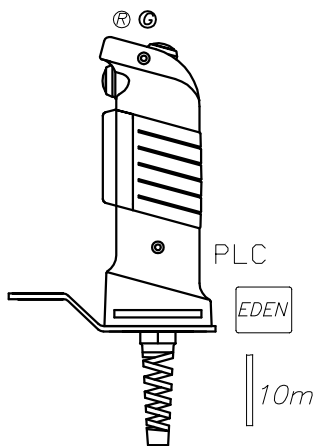
JSKD4MU  
20-002-78



JSKD4MV  
20-002-91

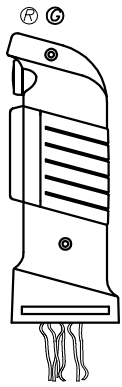


JSKD4MZ  
20-002-74



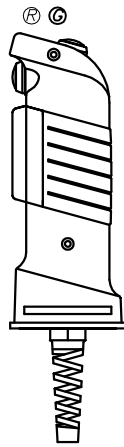
JSKD4MW  
20-002-10

|                 |                |                             |        |        |          |                        |                 |           |             |
|-----------------|----------------|-----------------------------|--------|--------|----------|------------------------|-----------------|-----------|-------------|
| 7               | -              | -                           | -      | -      | -        | -                      | -               | -         | -           |
| Det.-nr         | Ant.           | Benämning                   |        |        | Material | Mod.-nr ömne Dimension | Anm             |           |             |
| Konstr.         | Ritad. MARTINE | Kop.                        | Kontr. | Stand. | Godk.    | Skala -                | Erställt 051020 | Ersatt av |             |
| JOKAB SAFETY AB |                |                             |        |        |          |                        | 3-LÄGESHÄLLDON  | SID 5(6)  | Dat. 060207 |
| Nr.             | Ant.           | Ändring och/eller medd.-nr. | Datum  | Inf.   | Godk.    | SAMTL MODELLER         |                 | Ritn.-nr  | VYSAMT      |



Ex

JSHD4X  
20-002-30

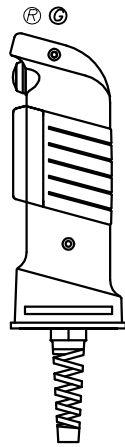


Ex



10m

JSHD4XB  
20-002-55

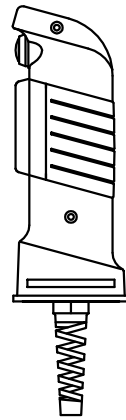


Ex



10m

JSHD4XC  
20-002-48

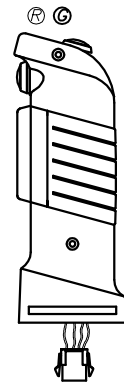


Ex



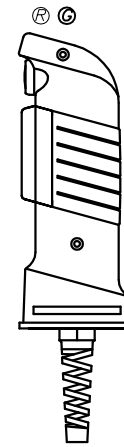
10m

JSHD4XD  
20-002-35



Ex

JSHD4XE  
20-002-69

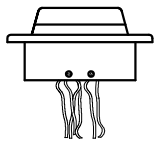


Ex

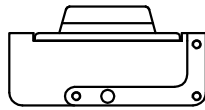


10m

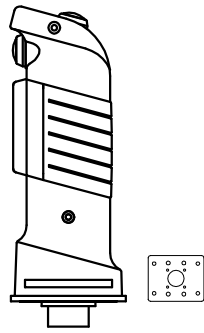
JSHD4XN  
20-002-37



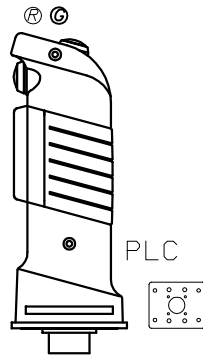
JSHD4H2  
20-002-31



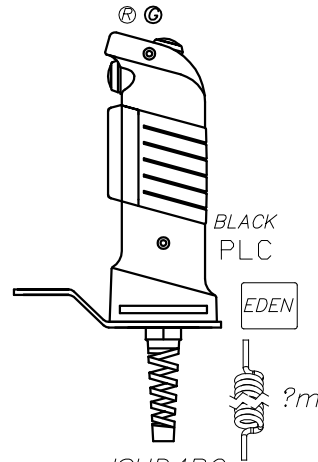
JSHD4H2A  
20-002-02



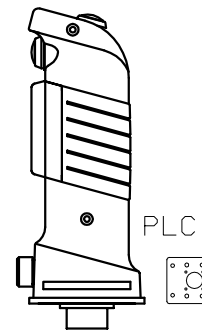
JSHD4P  
20-002-94



JSHD4PB  
20-002-95



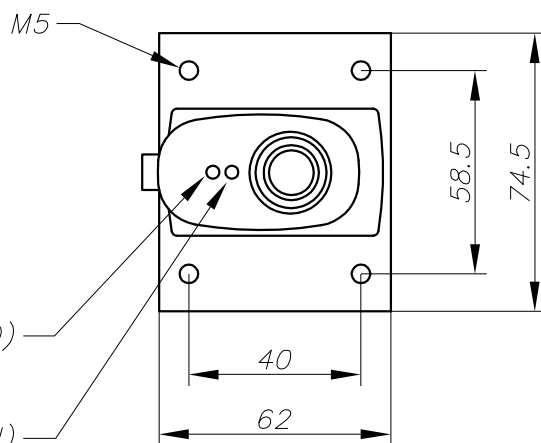
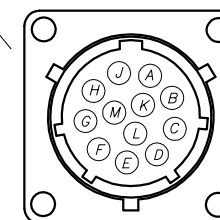
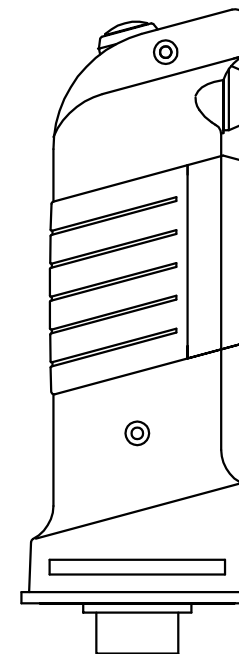
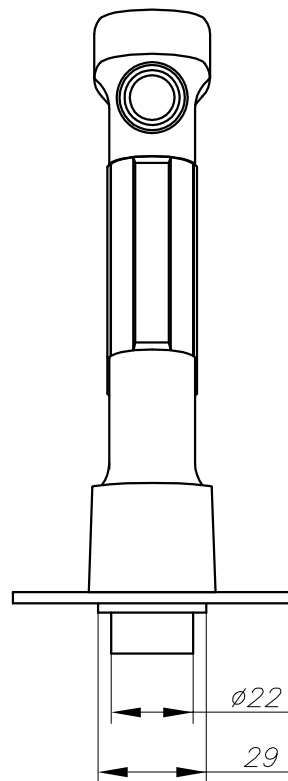
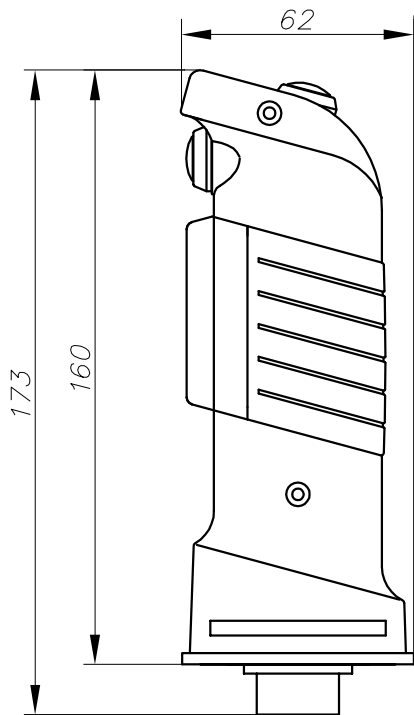
JSHD4PC  
20-002-96



JSHD4PD  
20-002-97

| 1               | -       | -         | -      | -      | -        | -                      | -              | -         | -               |
|-----------------|---------|-----------|--------|--------|----------|------------------------|----------------|-----------|-----------------|
| Det.-nr         | Ant.    | Benämning |        |        | Material | Mod.-nr ömne Dimension | Anm            |           |                 |
| Konstr.         | Ritad.  | Kop.      | Kontr. | Stand. | Godk.    | Skala                  | Ersätter       | Ersatt av |                 |
|                 | MARTINE |           |        |        |          | -                      | 051020         | 060207    |                 |
| JOKAB SAFETY AB |         |           |        |        |          |                        | 3-LÄGESHÅLLDON |           | SID 6(6)        |
|                 |         |           |        |        |          |                        | SAMTL MODELLER |           | Ritn.-nr VYSAMT |

| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|
|-----|------|-----------------------------|-------|------|-------|



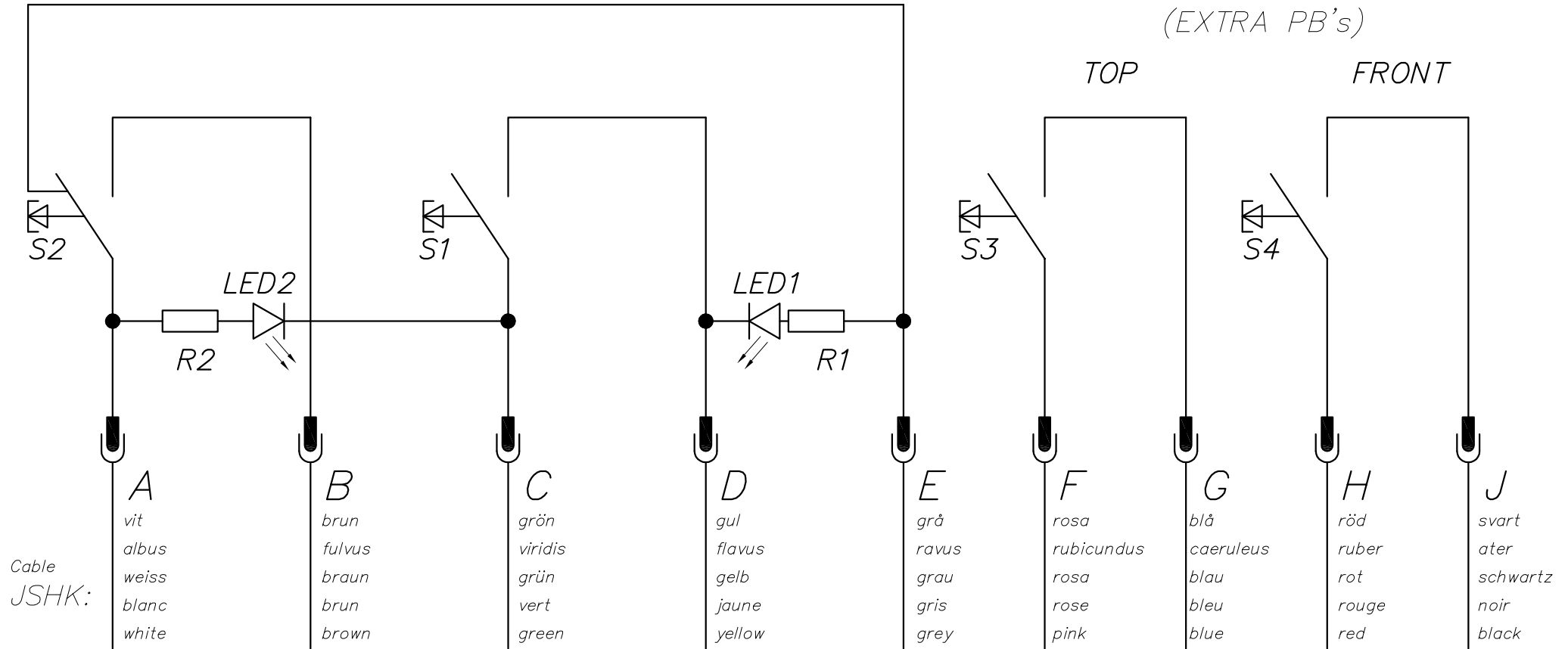
LED (RÖD/RED)

LED (GRÖN/GREEN)

| 1               | —        | —         | —      | —      | —        | —                      | —              | —        | —         |
|-----------------|----------|-----------|--------|--------|----------|------------------------|----------------|----------|-----------|
| Det.-nr         | Ant.     | Benämning |        |        | Material | Mod.-nr ämne Dimension | Anm            |          |           |
| Konstr.         | Ritad.   | Kop.      | Kontr. | Stand. | Godk.    | Skala                  | —              | Ersätter | Ersatt av |
|                 | BREDBERG |           |        |        |          |                        |                |          |           |
| JOKAB SAFETY AB |          |           |        |        |          |                        | 3-LÄGESHÄLLDON |          | Dat.      |
|                 |          |           |        |        |          |                        | JSJD4          |          | 980402    |
|                 |          |           |        |        |          |                        |                | Ritn.-nr | VYHD4     |

| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|
|-----|------|-----------------------------|-------|------|-------|

(SAFETY CIRCUITS)



Cable  
JSHK:

- A vit  
albus  
weiss  
blanc  
white
- B brun  
fulvus  
braun  
brun  
brown
- C grön  
viridis  
grün  
vert  
green
- D gul  
flavus  
gelb  
jaune  
yellow
- E grå  
ravus  
grau  
gris  
grey
- F rosa  
rubicundus  
rosa  
rose  
pink
- G blå  
caeruleus  
blau  
bleu  
blue
- H röd  
ruber  
rot  
rouge  
red
- I svart  
ater  
schwartz  
noir  
black

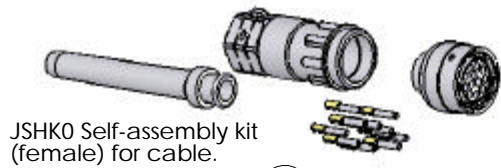
|        |              |         |           |            |           |                        |
|--------|--------------|---------|-----------|------------|-----------|------------------------|
| PLUTO* | Dyn IN       | Dyn OUT | Static IN | Static OUT | (Dyn OUT) |                        |
| RT6,7  | S13, S34     | S14     | S24       | S23        |           | Aut reset: S53, X1, X4 |
| RT9    | S13, S34     | S14     | S24       | A2         |           | Aut reset: A1, X1, X4  |
| JSBT4  | S13          | S14     | S24       | S23        |           | Aut reset: X1, X2      |
| JSBR4  | S13          | S14     | S24       | S23, X3    | X2        |                        |
| VITAL  | Not possible |         |           |            |           |                        |

LED1=red(forward) LED2=green  
 R1=R2=4k7  
 S1=upper 3-pos PB      S3=aux. PB top  
 S2=lower 3-pos PB      S4=aux. PB front

\*) The standard JSHD4 is not ideal for Pluto, LEDs will not operate perfectly.  
 \*) IN means signal in to enabling device. OUT will be signal to Pluto.

|                 |         |                             |        |          |         |       |           |                             |            |
|-----------------|---------|-----------------------------|--------|----------|---------|-------|-----------|-----------------------------|------------|
| 1               |         | 20-002-00                   |        |          |         |       |           |                             |            |
| Det.-nr         | Ant.    | Benämning                   |        | Material | Mod.-nr | Ämne  | Dimension | Anm                         |            |
| Konstr.         | Ritad.  | Kop.                        | Kontr. | Stand.   | Godk.   | Skala | -         | Erstätt                     | Erstätt av |
|                 | MARTINB |                             |        |          |         |       |           | 021106                      | 060206     |
| JOKAB SAFETY AB |         |                             |        |          |         |       |           | CONNECTION DESCR. FOR JSHD4 |            |
| Nr.             | Ant.    | Ändring och/eller medd.-nr. |        | Datum    | Inf.    | Godk. | Ritn.-nr  | KPLHD4-U                    |            |

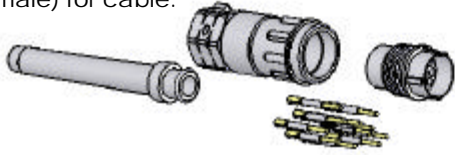




JSHK0 Self-assembly kit (female) for cable.

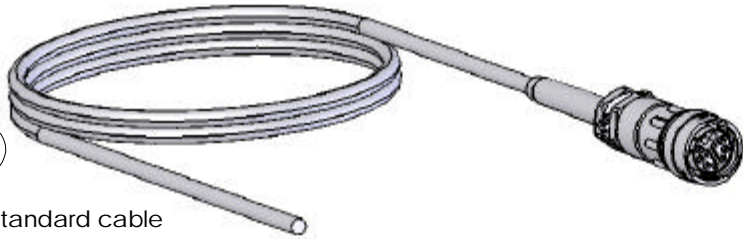
1

JSHK1-B Self-assembly kit (male) for cable.



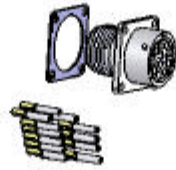
2

JSHK5 Standard cable



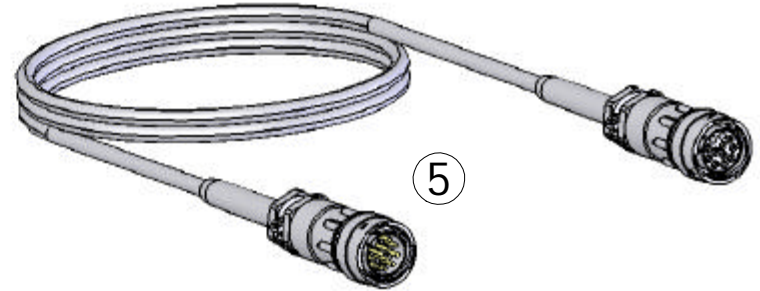
3

JSHK28S Spiral cable (2.8m extended)



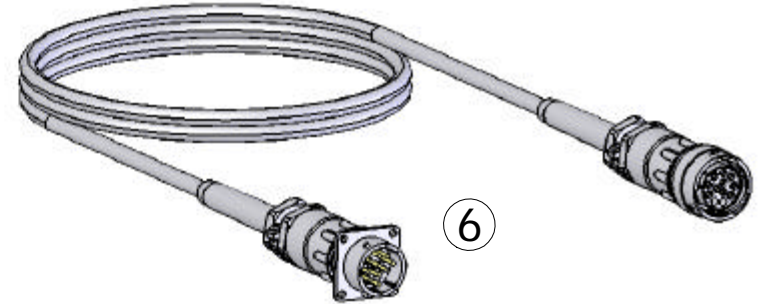
4

JSHK1-A Self assembly kit (female) for use with JSHK5-E1, on machine.



5

JSHK5-E1 5m cable, disconnects at handle and machine



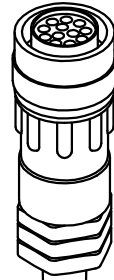
6

JSHK5-E 5m extension cable, between (for instance) JSHK10 and JSHD4.

|                |                                  |            |           |                    |                   |                |                               |
|----------------|----------------------------------|------------|-----------|--------------------|-------------------|----------------|-------------------------------|
| Material       | Ytbehandling                     |            | Dimension | Färg               | Generell tolerans |                |                               |
| -              | -                                |            |           |                    | ISO 2768 mK       |                |                               |
| Konstruerad av | Granskad av                      | Godkänd av | Datum     | Generell yljämnhet | Vyplacering       | Format         | Skala                         |
| MABR           | -                                | -          | 051019    | -                  |                   | A3             | 1:1                           |
| Ägare          | Titel/benämning                  |            |           |                    |                   |                |                               |
|                | <b>JOKAB SAFETY</b>              |            |           |                    |                   |                | Examples of JSHD4 accessories |
|                | Ritningsnummer                   |            |           |                    | Utgåva            | Blad           |                               |
|                | COPYRIGHT JOKAB SAFETY AB - 2004 |            |           |                    |                   | -              | 1/1                           |
|                |                                  |            |           |                    |                   | Cable versions |                               |

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FEMALE

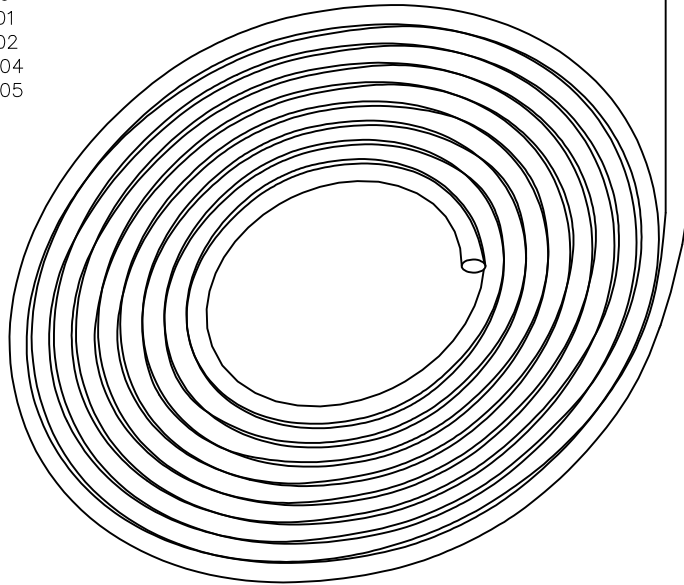


HONSTIFT

- A: VIT WHITE WEISS BLANC
- B: BRUN BROWN BRAUN BRUN
- C: GRÖN GREEN GRÜN VERT
- D: GUL YELLOW GELB JAUNE
- E: GRÅ GREY GRAU GRIS
- F: ROSA PINK ROSA ROSE
- G: BLÅ BLUE BLAU BLUE
- H: RÖD RED ROT ROUGE
- J: SVART BLACK SCHWARTZ NOIR
- K: LILA PURPLE LILA LILAS

Lengths:

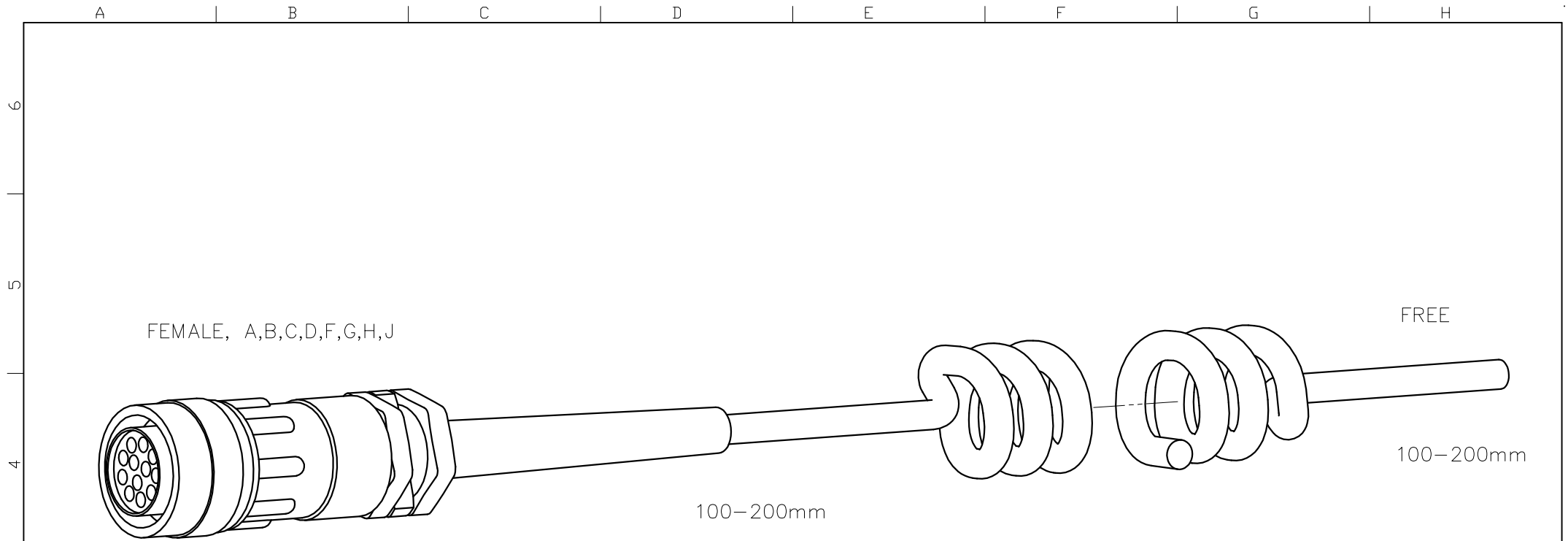
- JSHK0 (0m): 20-003-03
- JSHK5 (5m): 20-003-00
- JSHK10 (10m): 20-003-01
- JSHK15 (15m): 20-003-02
- JSHK20 (20m): 20-003-04
- JSHK25 (25m): 20-003-05



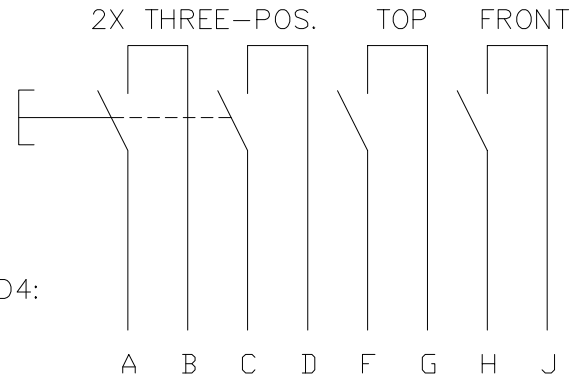
|          |                 |           |           |          |                        |             |
|----------|-----------------|-----------|-----------|----------|------------------------|-------------|
| 1        | —               | —         |           | PVC      | Ø6.4                   | BLACK       |
| Det.-nr  | Ant.            | Benämning |           | Material | Mått-nr ömne Dimension | Anm         |
| Konstr.  | Ritad. BREDBERG | Kop.      | Kontr.    | Stand.   | Godk.                  | Skala 1:2   |
| Ersätter |                 |           | Ersatt av |          |                        | Dat. 010111 |
| Ritn.-nr |                 |           | HKMONT    |          |                        |             |

|     |      |                             |       |      |       |
|-----|------|-----------------------------|-------|------|-------|
| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|

**JOKAB SAFETY**  
KABEL JSHK  
TILL JSHD4



- A: VIT WHITE WEISS BLANC
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- G: ROSA PINK ROSA ROSE
- H: BLÅ BLUE BLAU BLEU
- J: RÖD RED ROT ROUGE



WITH STANDARD JSHD4:

MANUAL RESET CANNOT BE USED  
(JSBR4 CANNOT BE USED).

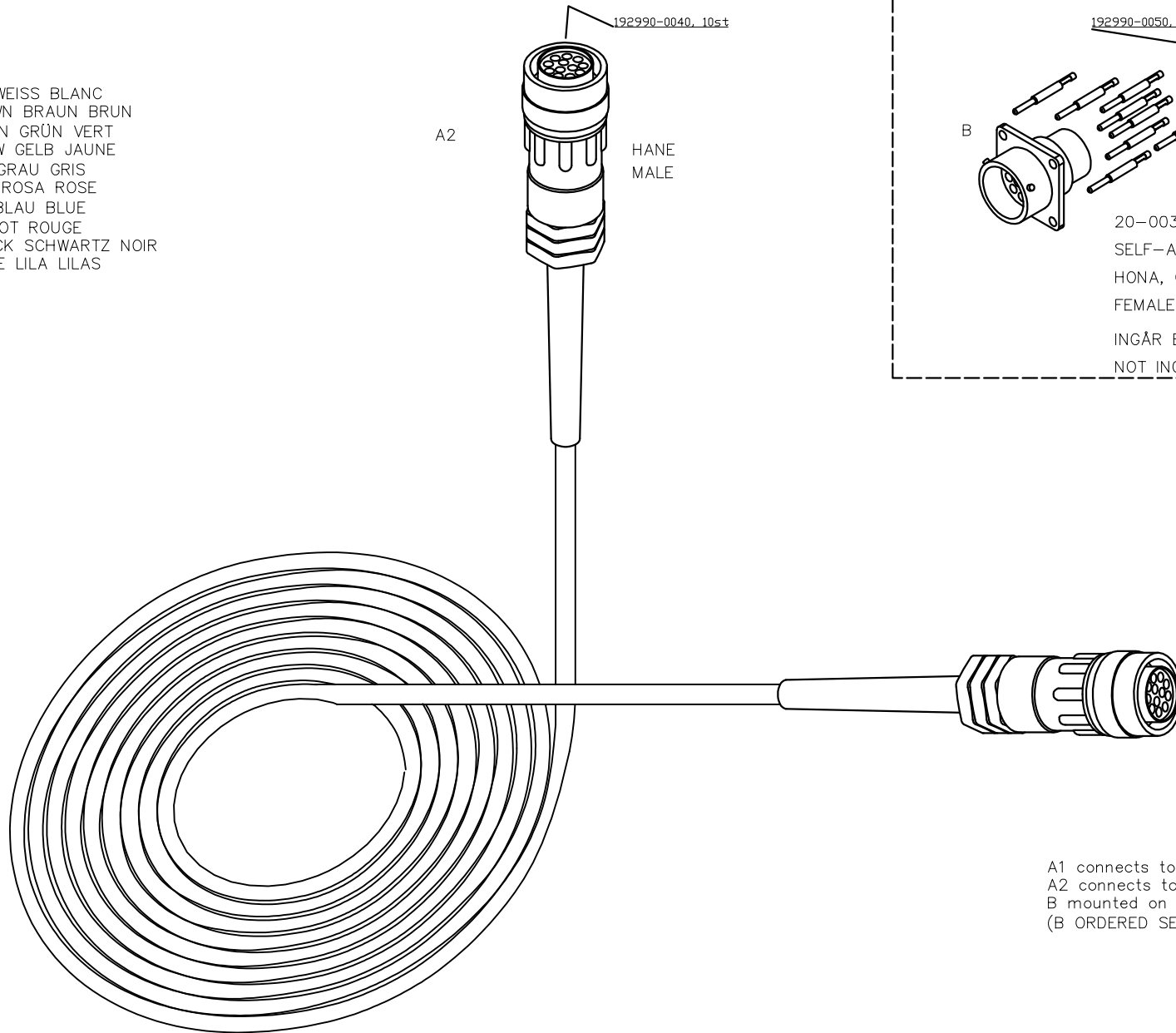
| DESCR.   | RESTING / EXTENDED |
|----------|--------------------|
| JSHK16S: | 400 / 1600mm       |
| JSHK20S: | 500 / 2000mm       |
| JSHK28S: | 700 / 2800mm       |
| JSHK32S: | 800 / 3200mm       |
| JSKH40S: | 1000 / 4000mm      |
| JSHK60S: | 1500 / 6000mm      |
| JSHK80S: | 2000 / 8000mm      |

|                           |          |           |       |           |                        |   |           |
|---------------------------|----------|-----------|-------|-----------|------------------------|---|-----------|
| 1                         | -        | -         | PU    |           | -                      | 8x 0,25mm <sup>2</sup>                          |           |
| Det.-nr                   | Ant.     | Benämning |       | Material  | Mod.-nr ömne Dimension | Ersätter  | Ersatt av |
| Konstr. MB                | Ritad MB | Kontr.    | Godk. | Format A4 | Skala -                | -   | -         |
|                           |          |           |       |           |                        | Sid. 1(1) Dat. 010619<br>Ritn.-nr JSHKXS Rev. - |           |
| JSHKX-S<br>SPIRAL + CONN. |          |           |       |           |                        |   |           |

|      |      |                             |       |      |
|------|------|-----------------------------|-------|------|
| Rev. | Pos. | Ändring och/eller medd.-nr. | Datum | Inf. |
|------|------|-----------------------------|-------|------|

HONSTIFT

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192990-0050, 10st lösa

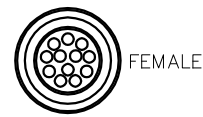
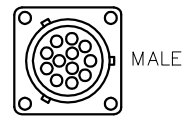
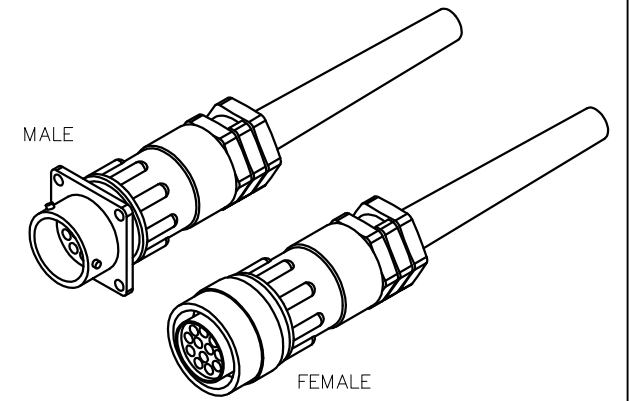
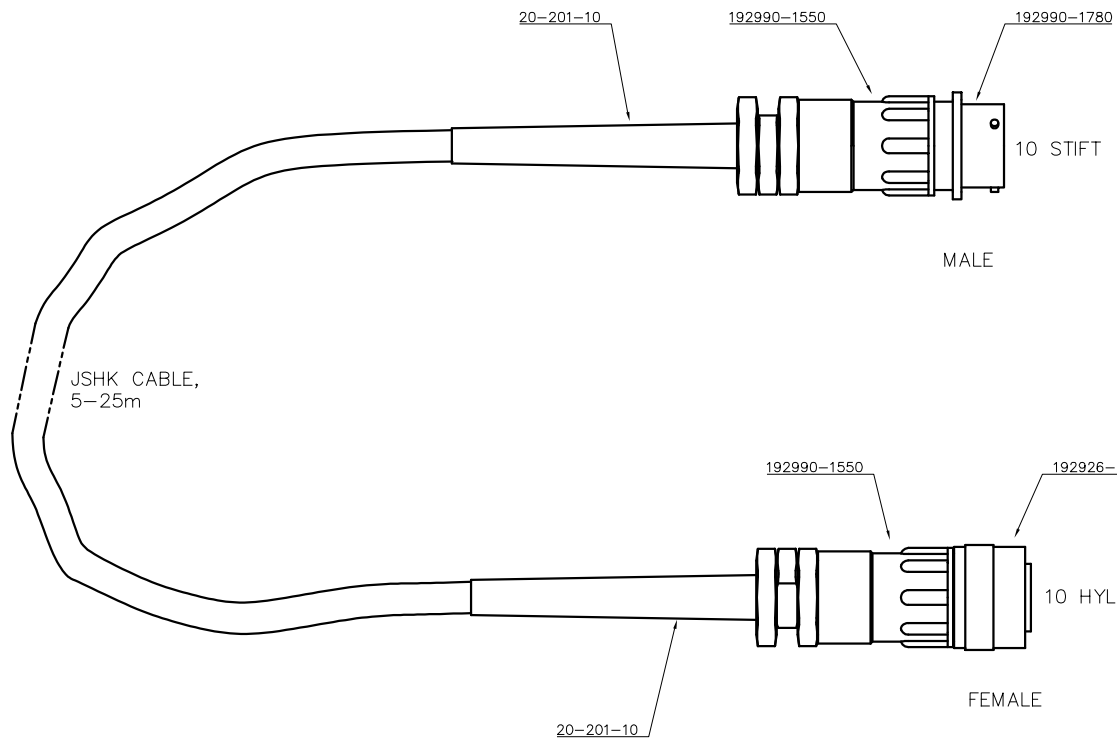
B

20-003-08  
 SELF-ASSEMBLY KIT  
 HONA, CHASSISKONTAKT  
 FEMALE, FLANGE CONNECTOR  
 INGÅR EJ I 20-003-12  
 NOT INCLUDED IN 20-003-12

A1 connects to JSHD4  
 A2 connects to B  
 B mounted on cabinet  
 (B ORDERED SEPARATELY)

|         |            |           |        |                             |                         |
|---------|------------|-----------|--------|-----------------------------|-------------------------|
| 1       | —          | —         | PVC    | Ø6.4                        | BLACK                   |
| Det.-nr | Ant.       | Benämning |        | Material                    | Mod.-nr eller Dimension |
| Konstr. | Ritad. GKA | Kop.      | Kontr. | Stand.                      | Godk.                   |
|         |            |           |        | Skala 1:2                   | Erätter 040610          |
|         |            |           |        |                             | Erstatt av              |
|         |            |           |        |                             | Dat 050223              |
|         |            |           |        | KABEL JSHK5E1<br>TILL JSHD4 |                         |
|         |            |           |        | Ritn. HK5E1MONT             |                         |

|     |      |                             |       |      |       |
|-----|------|-----------------------------|-------|------|-------|
| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|



**ANSLUTNING**

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- G: BLÅ BLUE BLAU BLUE
- H: RÖD RED ROT ROUGE
- J: SVART BLACK SCHWARTZ NOIR
- K: LILA PURPLE LILA LILAS

| 1       | -               | -         | -      | -      | -        | -                      | -                        | -         | BLACK          |
|---------|-----------------|-----------|--------|--------|----------|------------------------|--------------------------|-----------|----------------|
| Det.-nr | Ant.            | Benämning |        |        | Material | Mod.-nr ömne Dimension | Ersätter                 | Ersatt av | Anm            |
| Konstr. | Ritad. BREDBERG | Kop.      | Kontr. | Stand. | Godk.    | Skala 1:2              |                          |           |                |
|         |                 |           |        |        |          |                        | JSHKx-E<br>SKARVKABEL xM |           | 010110<br>Dat. |
|         |                 |           |        |        |          |                        | Ritn.-nr                 |           | HK5SMONT       |

| Nr. | Ant. | Ändring och/eller medd.-nr. | Datum | Inf. | Godk. |
|-----|------|-----------------------------|-------|------|-------|
|-----|------|-----------------------------|-------|------|-------|