BR: Works with JSBR and RT relays
PLC: Works with Pluto and RT relays
SPEC: Special solution
A: Works with straight JSHK cables
B: Works with JSHK and JSHK-S
C: Works only with special cables

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.
JSHD4MP 20-002-67
JSHD4MR 20-002-68
JSHD4MS 20-002-75
JSHD4MT 20-002-77
JSHD4MU 20-002-78
JSHD4MV 20-002-91
JSHD4MW 20-002-10
JSHD4MZ 20-002-74
Ex means the handle is intended for explosive environment. Needs a zener barrier or other isolation between relay and handle.

Blue color, although not intrinsically safe.
JSHD4H2-800
20-002-45

JSHD4H2A-800
20-002-02

JSHD4H2A-800
20-002-16

JSHD4S2
20-002-07
(upgrading kit)
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 JSH04 is not ideal for Pluto, green LED will not operate.
*) IN means signal in to enabling device. OUT will be signal to Pluto.
## CABLES & ACCESSORIES FOR JSHD4 ENABLING DEVICES

**IMPORTANT:** Each time a device is dis-connected, Category 4 is lost!

<table>
<thead>
<tr>
<th>Part no</th>
<th>Name</th>
<th>Cable length [m] (extended)</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-003-00</td>
<td>JSHK5</td>
<td>5</td>
<td>Straight PVC cable with female plug connector. Other end free. 10 leads</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-01</td>
<td>JSHK10</td>
<td>10</td>
<td>Straight PVC cable with female plug connector. Other end free. 10 leads</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-02</td>
<td>JSHK15</td>
<td>15</td>
<td>Straight PVC cable with female plug connector. Other end free. 10 leads</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-03</td>
<td>JSHK0</td>
<td>-</td>
<td>Self-assembly kit for cable with female plug connector. 12 leads possible.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-04</td>
<td>JSHK20</td>
<td>20</td>
<td>Straight PVC cable with female plug connector. Other end free. 10 leads</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-05</td>
<td>JSHK25</td>
<td>25</td>
<td>Straight PVC cable with female plug connector. Other end free. 10 leads</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-07</td>
<td>JSHK1-C</td>
<td>-</td>
<td>Self-assembly kit for &quot;handle side&quot;. Male receptacle, 12 pins and gasket.</td>
<td></td>
</tr>
<tr>
<td>20-003-08</td>
<td>JSHK1-A</td>
<td>-</td>
<td>Self-assembly kit for machine-side. Female receptacle, 12 sockets &amp; gasket.</td>
<td>For use with JSHK5E-1</td>
</tr>
<tr>
<td>20-003-09</td>
<td>JSHK1-B</td>
<td>-</td>
<td>Self-assembly kit for cable with male plug connector. 12 leads possible.</td>
<td>For use on cable, connects to JSHK1-A receptacle.</td>
</tr>
<tr>
<td>20-003-10</td>
<td>JSHK5-E</td>
<td>5</td>
<td>Straight PVC cable with female plug and male socket connector. 10 leads</td>
<td>As extension between (for instance) JSHD4 and JSHK10.</td>
</tr>
<tr>
<td>20-003-33</td>
<td>JSHK10-E</td>
<td>10</td>
<td>Straight PVC cable with female plug and male socket connector. 10 leads</td>
<td>As extension between (for instance) JSHD4 and JSHK10.</td>
</tr>
<tr>
<td>20-003-11</td>
<td>JSHK10K</td>
<td>10</td>
<td>As JSHK10 but special connection to allow 12-pin use with 10 leads.</td>
<td>For use with special types of handles.</td>
</tr>
<tr>
<td>20-003-12</td>
<td>JSHK5-E1</td>
<td>5</td>
<td>Straight PVC cable with female and male plug connector. 10 leads</td>
<td>To allow disconnection of cable from the machine.</td>
</tr>
<tr>
<td>20-003-20</td>
<td>JSHK16S</td>
<td>1,6</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-21</td>
<td>JSHK20S</td>
<td>2</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-22</td>
<td>JSHK28S</td>
<td>2,8</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-23</td>
<td>JSHK32S</td>
<td>3,2</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-24</td>
<td>JSHK40S</td>
<td>4</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-25</td>
<td>JSHK60S</td>
<td>6</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-26</td>
<td>JSHK80S</td>
<td>8</td>
<td>Spiral PUR cable with female plug connector. Other end free. 8 leads.</td>
<td>For use with normal JSHD4-handles.</td>
</tr>
<tr>
<td>20-003-32</td>
<td>JSHK60E</td>
<td>6</td>
<td>Spiral PUR cable with female plug and male socket connector. 8 leads.</td>
<td>As extension between (for instance) JSHD4 and JSHK10.</td>
</tr>
</tbody>
</table>
Examples of JSHD4 accessories

1. JSHK0 Self-assembly kit (female) for cable.
2. JSHK1-B Self-assembly kit (male) for 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: ISO 2768 mK
FEMALE, A, B, C, D, F, G, H, J

A: VIT WHITE WEISS BLANC
B: BRUN BROWN BRAUN BRUN
C: GRÖN GREEN GRÜN VERT
D: GUL YELLOW GELB JAUNE
E: GRAU GREY GRAU GRIS
F: ROSA PINK ROSA ROSE
G: BLÅ BLUE BLAU BLEU
H: RÖD RED ROT ROUGE

100 – 200 mm

WITH STANDARD JSHD4:

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

DESCRIPTION / EXTENDED
JSHK16S: 400 / 1600 mm
JSHK24S: 500 / 2000 mm
JSHK28S: 700 / 2800 mm
JSHK32S: 800 / 3200 mm
JSHK40S: 1000 / 4000 mm
JSHK60S: 1500 / 6000 mm
JSHK80S: 2000 / 8000 mm
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 Schwarz Noir
K: Lilja Purple Lila Lilas

A1 connects to JSHD4
A2 connects to B
B mounted on cabinet
(B Ordered Separately)