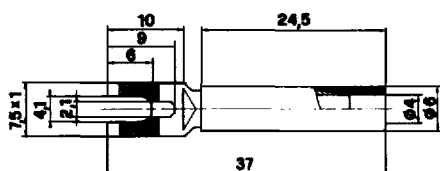


20 - green/yellow   21 - black   22 - red   23 - blue   24 - yellow   25 - green   26 - violet   27 - brown   28 - gray   29 - white   33 - transparent

Part No.	Type	Nominal diameter	Withdraw. force	Rated current	Contact resistance
----------	------	------------------	-----------------	---------------	--------------------

3.0480 B 4-I/KS



4 mm

-

-

-

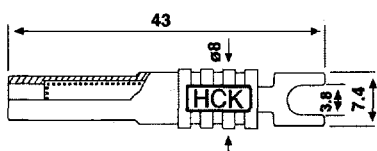
Adapter suitable for screw terminals with screw diameter up to 3.6 mm (.141 in) dia. Socket fits any commercial spring-loaded 4 mm (.160 in) dia. plug. Made of brass, nickel plated with PA (polyamide) insulation.

Operating temperature: ..... -40°C to +80°C  
(-40°F to 176°F)

Colors: 21 - 24

1:1

6.9690 XKS-4



4 mm

-

20 A

-

Safety spade terminal, rated 1000 V, CAT II, 20 A, has a tin-plated solid copper spade especially designed for terminal strips, with an in-line safety socket.

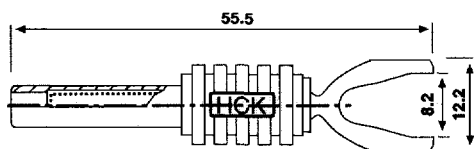


During installation, the terminal must be at zero potential.

Colors: 21 - 27, 29

1:1

6.9126 XKS-A



4 mm

-

20 A

-

Safety spade terminal, rated 1000 V, CAT II, 20 A, has a nickel-plated brass spade especially designed for binding posts, with an in-line safety socket.

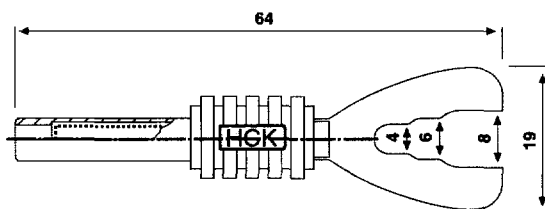


During installation, the terminal must be at zero potential.

Colors: 21 - 27, 29

1:1

6.9691 XKS-8 N



4 mm

-

30 A

-

Safety spade terminal, rated 1000 V, CAT II, 30 A, has a nickel-plated brass spade especially designed for screw terminals, with an in-line safety socket.



During installation, the terminal must be at zero potential.

Colors: 21 - 27, 29

1:1

20 - green/yellow 21 - black 22 - red 23 - blue 24 - yellow 25 - green 26 - violet 27 - brown 28 - gray 29 - white 33 - transparent

Nominal diameter Withdraw. force Rated current Contact resistance

Type Part No

2 mm 19 A  
4 mm 32 A

KK 2/4 24.0141  
KK 4/4 (KK 2/4)

Universal coupler KK 2/4 with 2 mm (.080 in) dia. socket on one end 4 mm (.160 in) dia. socket on other end and KK 4/4 with 4 mm (.160 in) dia. sockets on both ends.

Ratings for KK 2/4:

- Test voltage: ..... 500 V
- Operating temperature: ..... -10°C to +80°C (14°F to 176°F)

Ratings for KK 4/4:

- Rated voltage: ..... 1000 V (valid only when connected to MC safety plugs.)
- Insulation coordination: ..... 6000 V/2
- Test voltage: ..... 3250 V
- Operating temperature: ..... -10°C to +80°C (14°F to 176°F)

Colors: 21 - 24

1:2

4 mm 20 A

XHK 66.9123

Safety in-line coupler, rated 1000 V, CAT II, 20 A, has a special profile on the central section to ensure a secure connection is maintained when extending safety test leads.

Colors: 21 - 27, 19

1:1

4 mm  
2 mm

RS-4/2 A 63.9226

2mm Multilam™ plug and 4mm rigid socket which accepts all HCK standard and shrouded 4mm plugs. Polyamide 6.6 insulation.

Weight: 3.7 g.

Colors: 21 - 23

1:1

4 mm  
2 mm

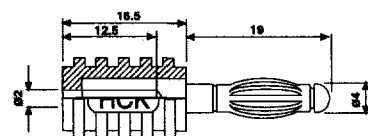
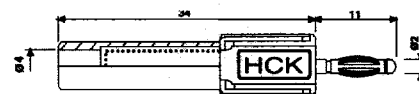
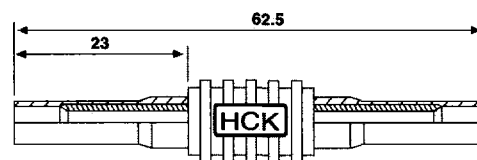
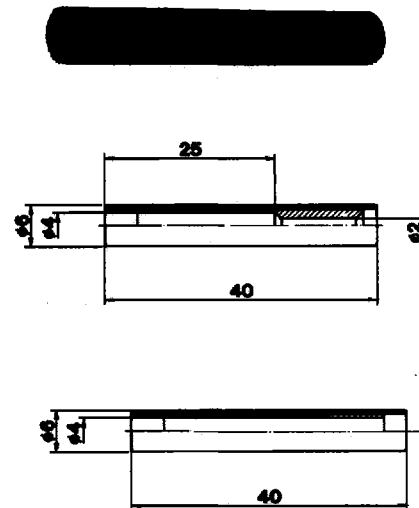
AS-2/4 63.9227

Adapter with 4mm Multilam™ plug and 2mm socket to accept Multilam™ or hollow plugs. The adapter's low profile provides a space saving connection.

Weight: 4.2 g.

Colors: 21 - 23

1:1



Part No.	Type		Nominal diameter	Withdraw. force	Rated current	Contact resistance
----------	------	--	------------------	-----------------	---------------	--------------------

22.5163 LS 410-I



4 mm

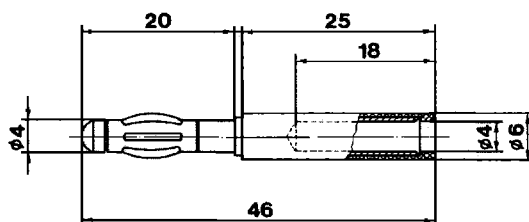
-

25 A

0.8 mΩ



Multilam™ plug 4 mm (.160 in) dia. with in-line socket 4 mm (.160 in) dia.  
Nickel plated.  
Polyamide insulated.



Colors: 21, 22

1:1

36.9129 KSA-4/19  
KSA-4/19



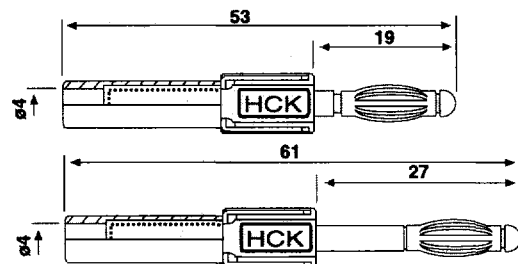
4 mm

-

30 A

-

36.9128 KSA-4/27  
KSA-4/27



Low voltage adapters, rated 30 V<sub>AC</sub> / 60 V<sub>DC</sub>, CAT II, 30A, have an insulated safety socket and a 4 mm Multilam™ plug. Two different lengths of plugs are available. The longer 27 mm plug (KSA-4/27) is especially suitable for deep mounted sockets. These adapters are fitted with a low withdrawal force Multilam™ so that the adaptor is retained on the lead when disconnecting it from the instrument



When using this adapter with safety test leads, the overall voltage rating is reduced to 30 V<sub>AC</sub> / 60 V<sub>DC</sub>.

1:1

Colors: 21 - 25

36.9122 XUG

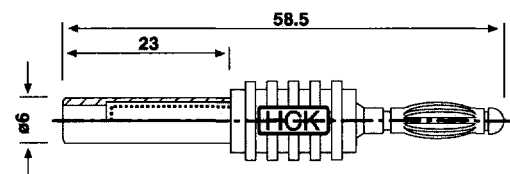


4 mm

-

30 A

-



Low voltage adapter, rated 30 V<sub>AC</sub> / 60 V<sub>DC</sub>, CAT II, 30A, with an insulated safety socket and a 4 mm Multilam™ plug. The adapter is fitted with high withdrawal force Multilam™ so that the adapter is retained in the socket when disconnecting the lead.


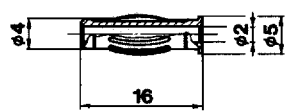

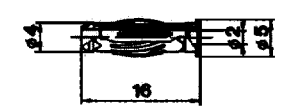

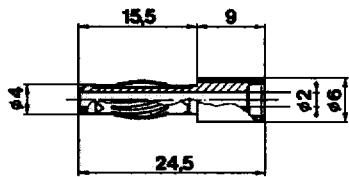

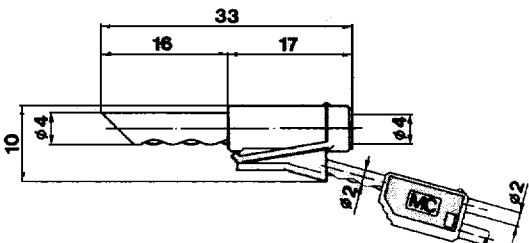
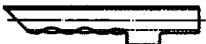
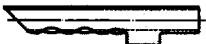
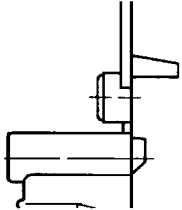
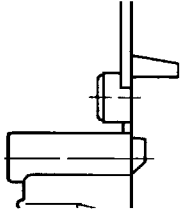


When using this adapter with safety test leads, the overall voltage rating is reduced to 30 V<sub>AC</sub> / 60 V<sub>DC</sub>.

1:1

Colors: 21 - 27, 29

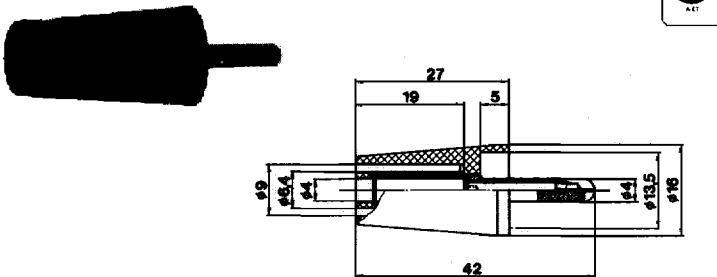
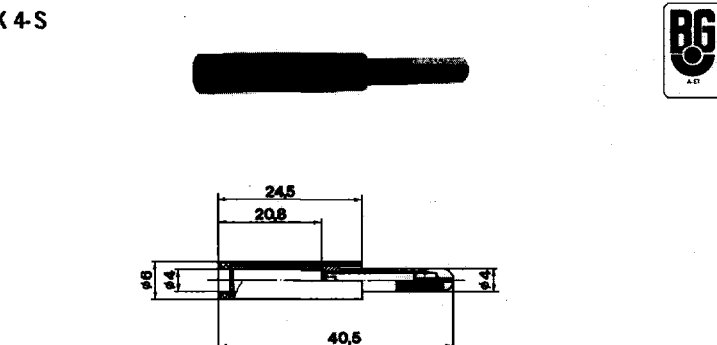
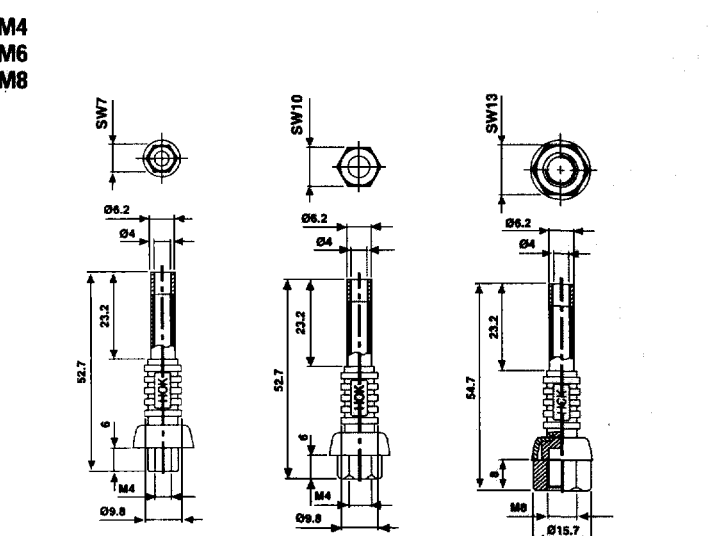
20 - green/yellow 21 - black 22 - red 23 - blue 24 - yellow 25 - green 26 - violet 27 - brown 28 - gray 29 - white 33 - transparent

Nominal diameter	Withdraw. force	Rated current	Contact resistance		Type	Part No
4 mm 2mm	—	25 A	1.0 mΩ	 	R 4/2	24.0110
Adapter 4 mm (.160 in) dia. to 2 mm (.080 in) dia. to reduce 4 mm to 2 mm socket. Machined brass, gold plated with MC®-Multilam™. Polyamide insulated (R4/2-A only).						
Operating temperature: ..... -10°C to +70°C (14°F to 158°F)						
Colors: (R4/2-A only): 21 - 24						
				 	R 4/2-F (internal Multilam™)	24.0100
				 	R 4/2-A	24.0100
					1:1	
4 mm 2mm	—	—	—	 	AZ 4/4-2	22.3000
Fits any 4 mm (.160 in) dia. socket. Tapping from rear is possible simultaneously with spring-loaded 2 mm (.080 in) and 4 mm (.160 in) dia. plugs.						
Components and ratings: • Hollow plug LS 4 ..... # 22.1005 • Insulator (polyamide) KT 4-A ..... # 22.2050 • Operating temperature: ..... -10°C to +80°C (14°F to 176°F)						
Colors: 21 - 29						
				 	LS 4	
				 	KT 4-A	
					1:1	

20 - green/yellow 21 - black 22 - red 23 - blue 24 - yellow 25 - green 26 - violet 27 - brown 28 - gray 29 - white 33 - transparent

20 - green/yellow 21 - black 22 - red 23 - blue 24 - yellow 25 - green 26 - violet 27 - brown 28 - gray 29 - white 33 - transparent



Part No.	Type		Nominal diameter	Withdraw. force	Rated current	Contact resistance
<b>i6.9140-000 ASA-M4)</b>	<b>A-SLK 4</b>	 <p style="text-align: right;"><b>BG</b> <small>MET</small></p>	4 mm	-	-	-
		<p>Safety adapter 4 mm (.160 in) dia. for connecting MC safety patch cords SLK with all conventional sockets, jacks and binding posts 4 mm (.160 in) dia. Expanding plug with internal screw for assembly with sockets, jacks and binding posts 4 mm (.160 in) dia. Gold plated. Polyamide insulated.</p> <p>Colors: 20 - 29</p> <p>Tool, special allen wrench:</p> <ul style="list-style-type: none"> <li>• StS 1.5-I (insulated) ..... # 25.0037</li> <li>• StS 1.5 (non-insulated) ..... # 25.0035</li> </ul> <p style="text-align: right;">1:1.3</p>				
<b>i6.9140-001 ASA-M6)</b>	<b>A-SLK 4-S</b>	 <p style="text-align: right;"><b>BG</b> <small>MET</small></p>	4 mm	-	-	-
		<p>Safety adapter 4 mm (.160 in) dia. for connecting MC safety patch cords SLK with all conventional sockets, jacks and binding posts 4 mm (.160 in) dia. Expanding plug with internal screw for assembly with sockets, jacks and binding posts 4 mm (.160 in) dia. Nickel plated. Polyamide insulated.</p> <p>Colors: 21 - 24</p> <p>Tool, special allen wrench:</p> <ul style="list-style-type: none"> <li>• StS 1.5-I (insulated) ..... # 25.0037</li> <li>• StS 1.5 (non-insulated) ..... # 25.0035</li> </ul> <p style="text-align: right;">1:1.3</p>				
<b>i6.9140-002 ASA-M8)</b>			4 mm	-	-	-
		<p>Screw-on adapter, rated 1000 V, CAT II, has a 4 mm safety socket and is available with an option of three internal metric threads for screwing on to protruding screw threads. The adapter has a polyamide 6.6 insulator.</p> <p>⚠ During installation, the terminal must be at zero potential.</p> <p>Current Ratings:</p> <ul style="list-style-type: none"> <li>• ASA-M4 ..... 20 A</li> <li>• ASA-M6 ..... 30 A</li> <li>• ASA-M8 ..... 30 A</li> </ul> <p>Colors: 21 - 26</p>				



**Nominal diameter**      **Withdraw. force**      **Rated current**      **Contact resistance**

Type

Part No

4 mm      –      20 A      –

**KSA-M4/6**      **66.9610**  
**KSA-M4/15**      (KSA-M4/6)

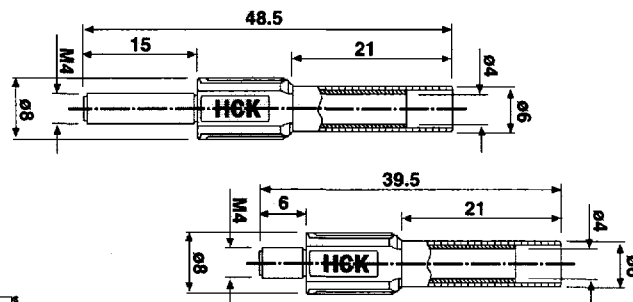
**66.9611**  
 (KSA-M4/15)

Screw-in adapters, rated 1000 V, CAT II, 20 A, have an insulated safety socket with a M4 male thread in an option of two lengths. These adapters are recommended for installing a permanent plug-in connection, for example on experimental boards or on terminal blocks.



During installation, the terminal must be at zero potential.

Colors: 21 - 23



1:1

4 mm      –      32 A      –

**B4-E-M3-I**      **23.1031**  
**B4-E-M3.5-I**      (B4-E-M3-I)

**B4-E-M4-I**      **23.1032**  
**B4-E-M5-I**      (B4-E-M3.5-I)

**23.1033**  
 (B4-E-M4-I)

**23.1034**  
 (B4-E-M5-I)

Screw-in adapters with 4 mm diameter safety socket for accepting 4 mm diameter safety test leads or any other 4 mm Multilam™ plug. The metal socket has an internal slot for mounting purposes. Brass, nickel plated.

#### Specifications:

- Insulation ..... PA
- Operating temperature: ..... -40°C to +80°C  
 (-40°F to +176°F)
- B4-E-M3-I ..... M3 external thread
- B4-E-M3.5-I ..... M3.5 external thread
- B4-E-M4-I ..... M4 external thread
- B4-E-M5-I ..... M5 external thread

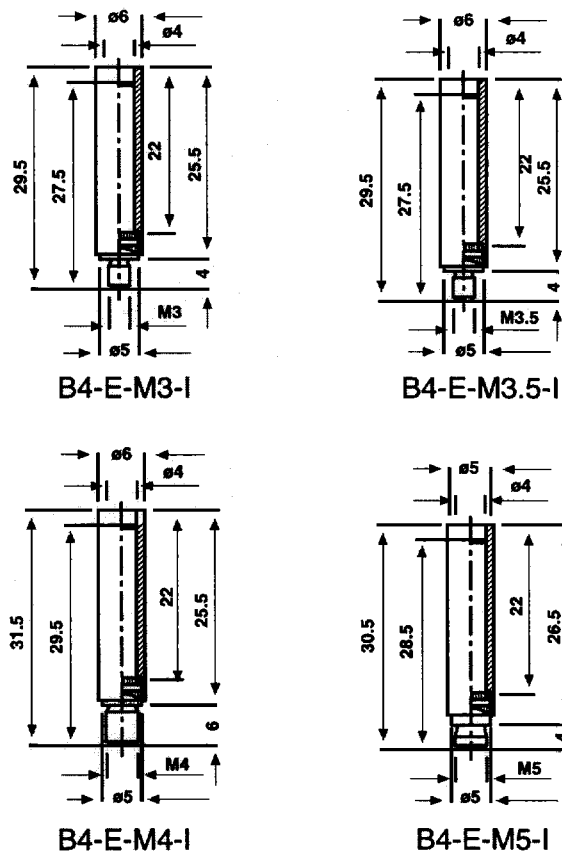
#### Components:

- Insulators I-A2/4 ..... # 24.5012
- B4-E-M3 adapter ..... # 23.5076
- B4-E-M3.5 adapter ..... # 23.5079
- B4-E-M4 adapter ..... # 23.5082
- B4-E-M5 adapter ..... # 23.5085



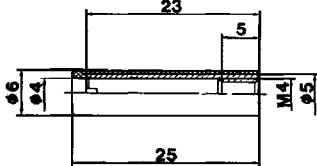
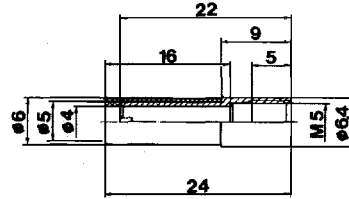
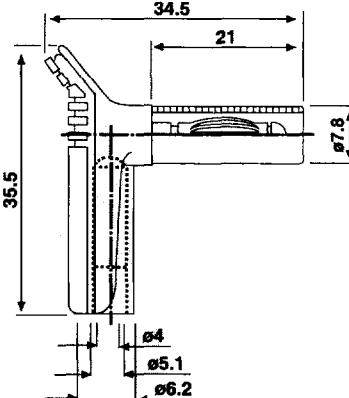

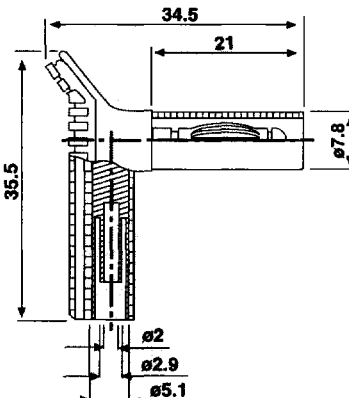

During installation, the terminal must be at zero potential.

Colors: 21 - 24



1:1

20 - green/yellow    21 - black    22 - red    23 - blue    24 - yellow    25 - green    26 - violet    27 - brown    28 - gray    29 - white    33 - transparent

Part No.	Type		Nominal diameter	Withdraw. force	Rated current	Contact resistance
3.1035 3.5088 4.5012	B4-E-IM4-I insulated B4-E-IM4 non-insulated I-A 2/4 insulator		4 mm	—	25 A	—
Sockets 4 mm (.160 in) with screw-on socket internal M 4 thread. Machined brass, nickel plated. Available insulated or non-insulated or as separate parts.						
Operating temperature: ..... -40°C to +80°C (-40°F to 176°F)						
1:1 Colors: 21, 22, 24, 29						
3.1036 3.5091 4.5090	B4-E-IM5-I insulated B4-E-IM5 non-insulated I-KK 2/4 insulator		4 mm	—	25 A	—
Screw-on sockets 4 mm (.160 in) with internal M 5 thread. Machined brass, nickel plated. Available insulated or non-insulated or as separate parts.						
Operating temperature: ..... -40°C to +80°C (-40°F to 176°F)						
1:1 Colors: 21, 22, 24, 29						
6.9694	XWA-4/19		 4 mm	—	20 A	—
Safety right-angled adapter, rated 1000 V, CAT II, 20 A, has a 4 mm plug and 4 mm socket configured at right angles in a fully insulated body. This adapter is designed to allow 90° entry to safety sockets where there is restricted access.						
Colors: 21 - 27, 29						
1:1						
6.9190	XWA-2/4		 4 mm 2 mm	—	10 A	—
Safety right-angled adapter, rated 600 V, CAT III, 10 A, has a 4 mm plug and 2 mm socket configured at right angles in a fully insulated body. This adapter is designed to allow 90° entry to safety sockets where there is restricted access.						
Colors: 21 - 23						
1:1						

20 - green/yellow 21 - black 22 - red 23 - blue 24 - yellow 25 - green 26 - violet 27 - brown 28 - gray 29 - white 33 - transparent