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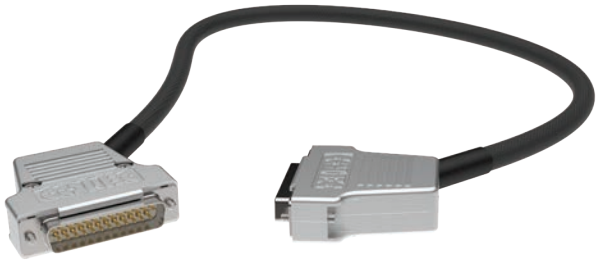
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- Standard Voltage to 250V AC/400V DC, 5A
- Cable Assemblies
- Cable Connectors & Connector Blocks
- PCB Connectors
- Guaranteed Compatibility



Simple Connection

Pickering connection solutions provide a simple way of connecting to a user's device under test or remote connection. The products include cable assemblies, cable connectors, connector blocks and pcb connectors.

Cable Assemblies

Cable assemblies are offered in connector to connector, and connector to unterminated versions. There are 3 termination options for the unterminated cables - ferrules, tinned copper or simple cut end.

Connector Blocks

Connector Blocks convert the 25-pin D-type connections to an array of screw terminals. The customer can then interface to other devices using his own wiring.

Custom Design Needs

Pickering Interfaces can manufacture custom connector accessories to suit any application. If you do not see what you need in this data sheet contact your Pickering Interfaces sales office with information on your requirements or consider using our free online Cable Design Tool.

Using our Cable Design Tool, you can graphically design your own custom cable assembly. Once completed and submitted, our engineers will generate a quote for your cable requirements. See pickeringtest.com/cdt



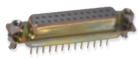
Examples of Pickering PXI and LXI Products using 25-Pin D-type Connectors

ISSUE 10.2 APR 2022

Cable Assemblies

Description		End 1	End 2		Cable Length	Product Order Code and Part Number	Data Sheet Page
		Gender & Cable Exit	Gender & Cable Exit	Options			
	Cable Assy, 25-Pin D-Type, 5A. Custom lengths by quotation	Male, 45° Towards Pin 1	Female, 45° Away from Pin 1	-	0.5m 1m 2m	**40-970-025-0.5m-MF** **40-970-025-1m-MF** **40-970-025-2m-MF**	4
		Female, 45° Away from Pin 1	Female, 45° Away from Pin 1	-	0.5m 1m 2m	**40-970-025-0.5m-FF** **40-970-025-1m-FF** **40-970-025-2m-FF**	5
	Cable Assy, 25-Pin D-Type to Unterminated, 5A. Custom lengths by quotation	Female, 45° Away from Pin 1	NA	Ferrules	0.5m 1m 2m	**40-972-025-0.5m-FU** **40-972-025-1m-FU** **40-972-025-2m-FU**	6
				Tinned End	0.5m 1m 2m	**A025DF4-T-0A050** **A025DF4-T-0A100** **A025DF4-T-0A200**	
				Cut End	0.5m 1m 2m	**A025DF4-C-0A050** **A025DF4-C-0A100** **A025DF4-C-0A200**	

Female Connector Blocks/Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	Shielded Connector Block, 25-Pin D-Type, 5A, Screw Terminal.	Female, Rear	With Backshell	**40-965-025-F**	7
			Without Backshell	**92-965-025-F**	
	Cable Connector 25-Pin D-Type, 5A, Solder Bucket	Female, 45° Options	With Backshell	**40-960-025-F**	8
			Without Backshell	**92-960-025-F**	
	PCB Connector 25-Pin D-Type, 5A	Female	Right Angle PCB Mount	**40-963-025-RF**	9
			Straight PCB Mount	**40-963-025-SF**	10

Male PCB Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	PCB Connector 25-Pin D-Type, 5A	Male	Right Angle PCB Mount	**40-963-025-RM**	11
			Straight PCB Mount	**40-963-025-SM**	12

Please click on the page number to navigate to the data sheet page required. Return to this page via the **C** button.

Additional Accessories

Although the items below do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.

Cable Assemblies

Description		End 1	End 2		Cable Length	Product Order Code and Part Number	Data Sheet Page
		Gender & Cable Exit	Gender & Cable Exit	Options			
	Cable Assy, 25-Pin D-Type, 5A. Custom lengths by quotation	Male, 45° Towards Pin 1	Male, 45° Towards Pin 1	-	0.5m 1m 2m	**40-970-025-0.5m-MM** **40-970-025-1m-MM** **40-970-025-2m-MM**	14
	Cable Assy, 25-Pin D-Type to Unterminated, 5A. Custom lengths by quotation	Male, 45° Towards Pin 1	NA	Ferrules	0.5m 1m 2m	**40-972-025-0.5m-MU** **40-972-025-1m-MU** **40-972-025-2m-MU**	15
				Tinned End	0.5m 1m 2m	**A025DM5-T-0A050** **A025DM5-T-0A100** **A025DM5-T-0A200**	
				Cut End	0.5m 1m 2m	**A025DM5-C-0A050** **A025DM5-C-0A100** **A025DM5-C-0A200**	

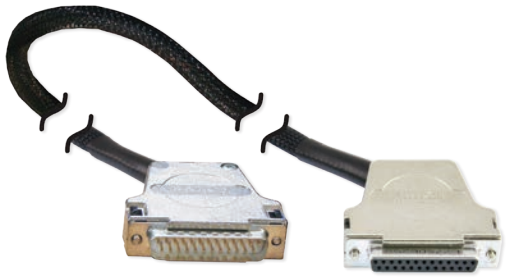
Male Connector Blocks/Connectors

Description		Gender & Cable Exit	Type	Product Order Code and Part Number	Page
	Shielded Connector Block, 25-Pin D-Type, 5A, Screw Terminal.	Male, Rear	With Backshell	**40-965-025-M**	16
			Without Backshell	**92-965-025-M**	
	Cable Connector 25-Pin D-Type, 5A, Solder Bucket	Male, 45° Options	With Backshell	**40-960-025-M**	17
			Without Backshell	**92-960-025-M**	

Custom Termination..... Page 18

Cable Assy - Male to Female

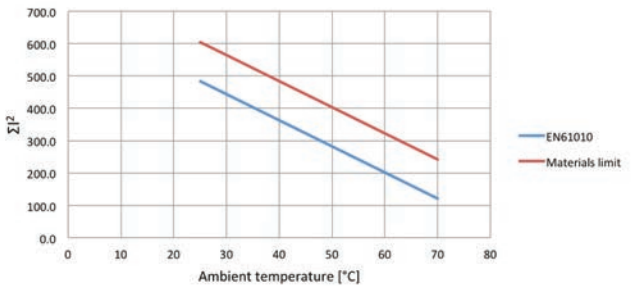
- **High Specification, Highly Flexible Cable**
- **Fully Screened Cable Construction with Strain Relief**
- **45 Degree Cable Exit**



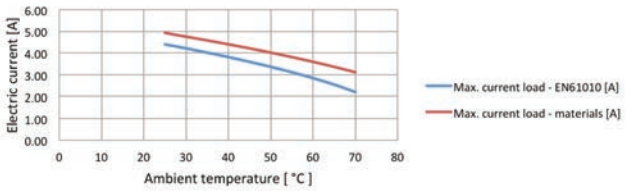
Technical Specification

Connector Type (End A):	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5A
Maximum Voltage	250VAC/400VDC
Insulation Resistance	1000MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Cable Exit:	
Female Connectors	45° (Away from Pin 1)
Male Connectors	45° (Towards Pin 1)
Overall Size (Approx)	H54 x W15.5 x D52mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	19/0.18 (0.410mm², 21AWG)
Resistance	0.041Ω/m
Insulation	PFA
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	10mm
Minimum Bend Radius	25mm
Door Closure Allowance	55mm (see diagram)

Characteristic Plots for 40-970-025-1m

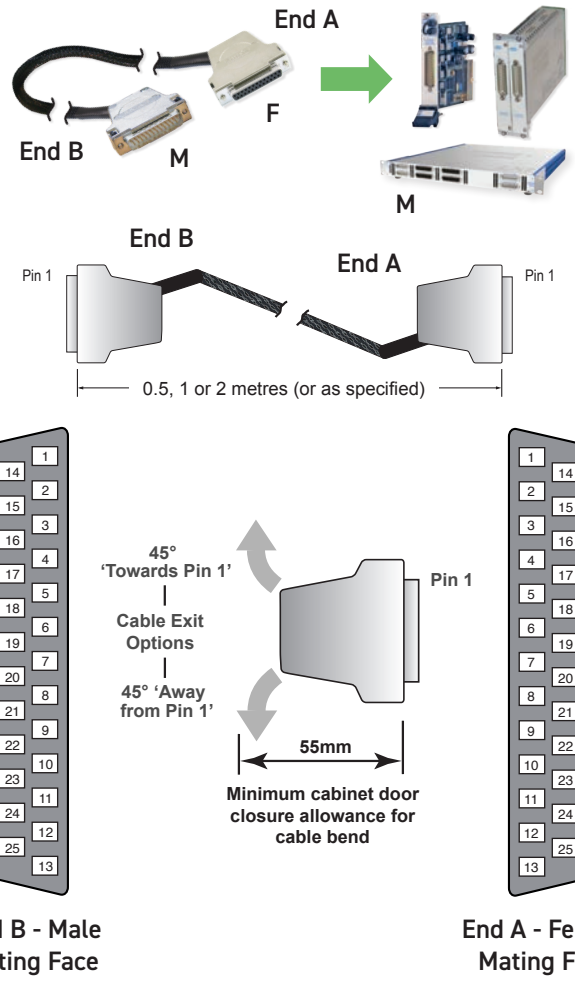


The graph shows the permitted ΣI^2 versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI^2 is complied with.

Product Compatibility



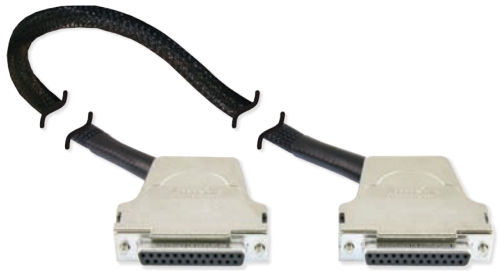
Product Order Codes

25-Pin D-Type Cable Assy, 5A, Male to Female,	
0.5m Long	40-970-025-0.5m-MF
1.0m Long	40-970-025-1m-MF
2.0m Long	40-970-025-2m-MF

Note: Other cable lengths can be supplied.

Cable Assy - Female to Female

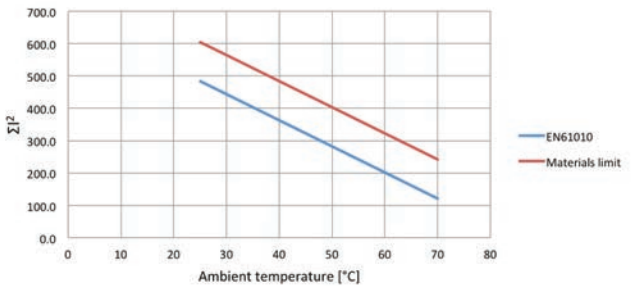
- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit



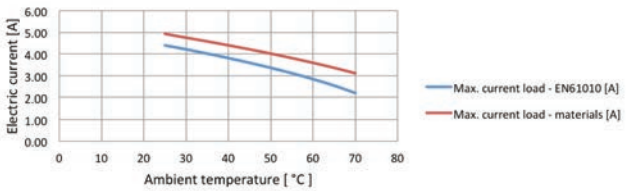
Technical Specification

Connector Type (End A):	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5A
Maximum Voltage	250VAC/400VDC
Insulation Resistance	1000MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Cable Exit:	45° (Away from Pin 1)
Overall Size (Approx)	H54 x W15.5 x D52mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	19/0.18 (0.410mm^2, 21AWG)
Resistance	0.041Ω/m
Insulation	PFA
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	10mm
Minimum Bend Radius	25mm
Door Closure Allowance	55mm (see diagram)

Characteristic Plots for 40-970-025-1m

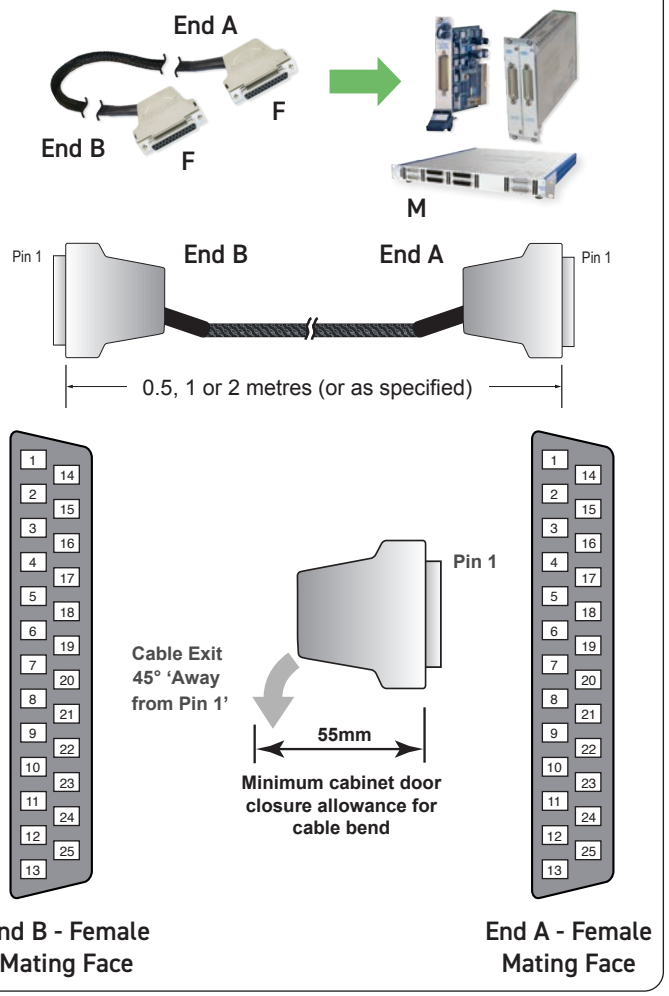


The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

Product Compatibility



Product Order Codes

25-Pin D-Type Cable Assy, 5A, Female to Female,	
0.5m Long	40-970-025-0.5m-FF
1.0m Long	40-970-025-1m-FF
2.0m Long	40-970-025-2m-FF

Note: Other cable lengths can be supplied.

Cable Assy - Female to Unterminated

- **High Specification, Highly Flexible Cable**
- **Fully Screened Cable Construction with Strain Relief**
- **45 Degree Cable Exit**
- **Fully Coded Markers to Ensure Easy Connection**

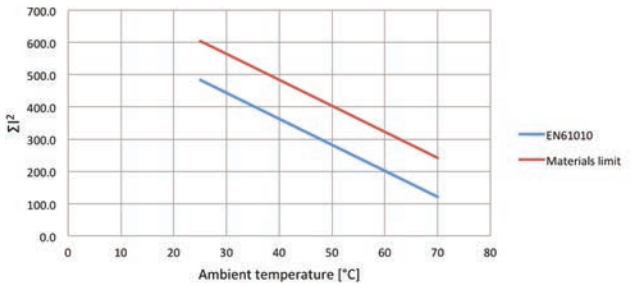


Technical Specification

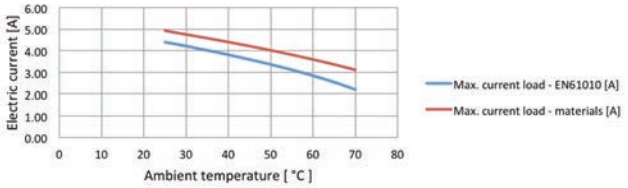
Connector Type (End A):	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, male
Unterminated End (End B):	
Free Wire Length	130mm nominal
Individual Wire Labelling	To connector pins A white/black screen pigtail is also included
Wire End Options	Ferrules, Tinned, Cut End
Maximum Current	5A
Maximum Voltage	250VAC/400VDC
Insulation Resistance	1000MOhm
Connector:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Cable Exit	45° (Away from Pin 1)
Overall Size (Approx)	H54 x W15.5 x D52mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	19/0.18 (0.410mm², 21AWG)
Resistance	0.041Ω/m
Insulation	PFA
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshell)
Additional Braided Sleeve	Yes
Cable O/D	10mm
Minimum Bend Radius	25mm
Door Closure Allowance	55mm (see diagram)

Note: When using this product please ensure appropriate electrical safety.

Characteristic Plots for 40-972-025-1m

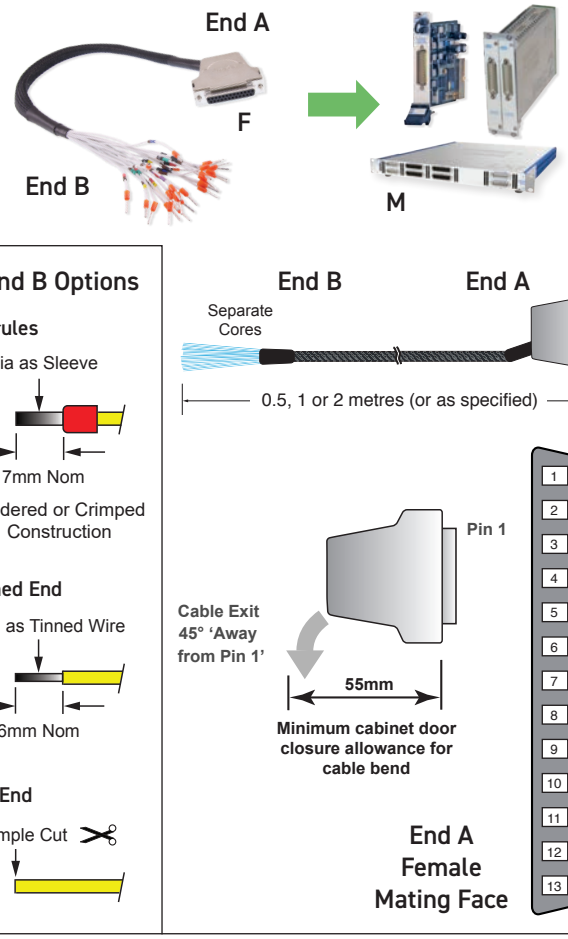


The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

Product Compatibility



Product Order Codes

25-Pin D-Type Cable Assy, 5A, Female to Unterminated, Ferrules,	
0.5m Long	**40-972-025-0.5m-FU**
1.0m Long	**40-972-025-1m-FU**
2.0m Long	**40-972-025-2m-FU**

Part numbers for other versions:

A025DF4-*-0A***

End B:
T = Tinned End
C = Cut End

Cable Length:
050 = 0.5m
100 = 1.0m
200 = 2.0m

Note: Other cable lengths can be supplied.

Connector Block - Female

- **Connector and PCB Only or Connector, PCB and Backshell**
- **Male Screwlocks**
- **Cable Clamp in Backshell**
- **Easy to Use Rising Cage Screw Terminals**

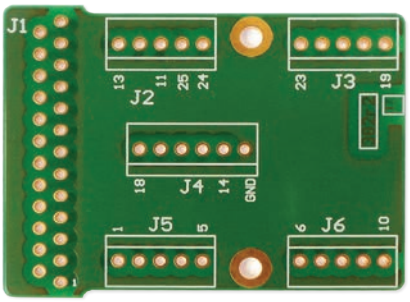
Connector blocks provide a convenient method of termination without the use of custom cabling. However, a higher resistance path, lower capacity ratings and lower voltage ratings are typical.

The screw terminals use a rising cage clamp mechanism to minimize risk of copper strand breakage. PTFE cables are recommended for use with this connector block to maximise copper cross-sectional area and insulation properties. The breakdown voltage of the connector block is controlled by clearances to the metal shell. The metal shell includes an internal insulation barrier under the carrier board.

Technical Specification

Connector Type:	25-Pin D-Subminiature
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Rising cage screw terminals A screen (GND) connection is provided
Connector Block Ratings:	
Maximum Current	5A
Maximum Voltage	200V DC
Cable Exit	Rear - 11 x 24mm
Overall Size (Approx)	H59.5 x W17.5 x D74.5mm
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Screw Terminals:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE
Additional Cable Clamp	Yes (in backshell)

Note: When using this product please ensure appropriate electrical safety precautions are observed.

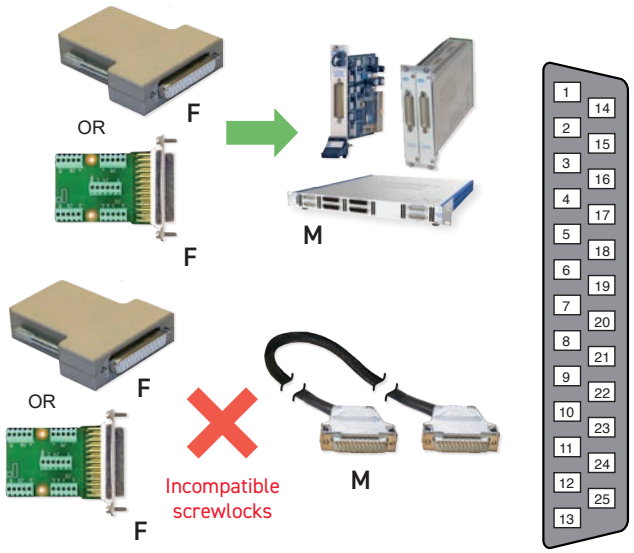


PCB Legend

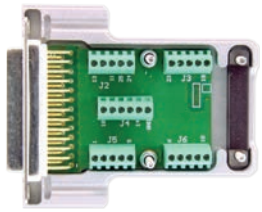


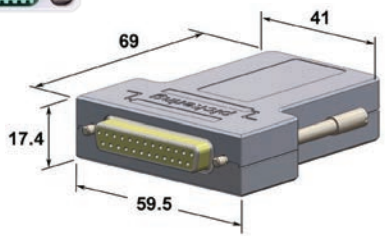
This connector block uses male screwlocks and will not mate to Pickering cables. Connector blocks supplied without a backshell do not include cable strain relief.

Product Compatibility



Female Mating Face





Connector Block Dimensions

Product Order Codes

25-Pin D-Type Connector Block, 5A, Screw Terminal,	
With Backshell, Female	40-965-025-F
Without Backshell, Female	92-965-025-F

Cable Connector - Female

- **Connector only or Connector and Backshell**
- **Cable Clamp in Backshell**
- **Soldered Cable Termination**

This accessory is designed to allow users to directly terminate with soldered connections to the connector.

Connector and shell are supplied separately to allow the user to determine the direction of the cable exit.

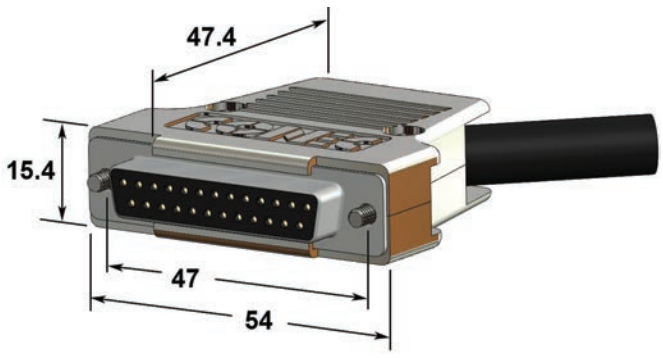
When the product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.



With Backshell

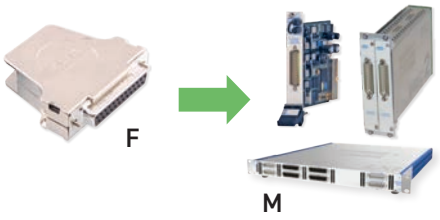
Technical Specification

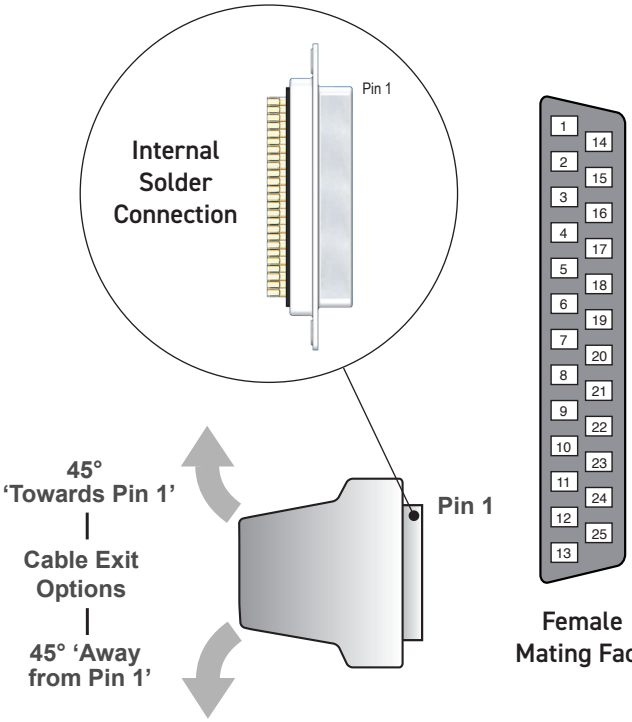
Connector Type:	25-Pin D-Subminiature
Gender	Female
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder bucket. A backshell fixing is also provided for a cable screen
Connector Ratings:	
Maximum Current	5A
Maximum Voltage	250V AC
Cable Exit:	45°
Cable Exit Size	10mm dia
Overall Size (Approx)	H54 x W15.5 x D52mm
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	20mOhm
Wire Connection:	
Maximum Wire Size	20AWG
Recommended Insulation	PFA
Additional Cable Clamp	Yes (in backshell)



Connector Dimensions

Product Compatibility





Product Order Codes

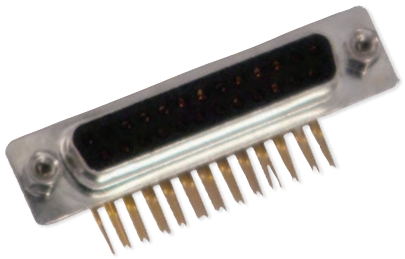
25-Pin D-Type Connector, 5A, Solder Bucket,	
With Backshell, Female	40-960-025-F
Without Backshell, Female	92-960-025-F

PCB Connector, Right Angle - Female

- **Right Angle PCB Mount**
- **Ideal for User Created Termination Solutions**

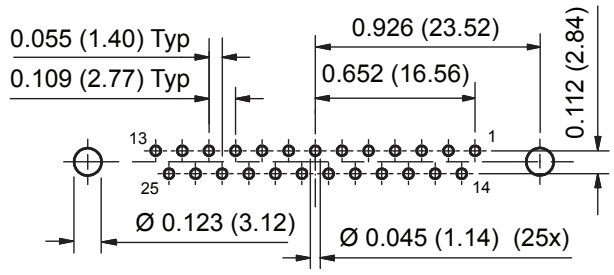
This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



Technical Specification

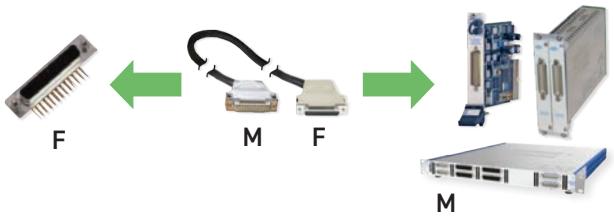
Connector Type:	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Right angle PCB mount, solder
Connector Ratings:	
Maximum Current	5A each pin
Maximum Voltage	250V AC
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
PCB Legs:	
Effective Leg Length	3.3mm nom (See diagram)

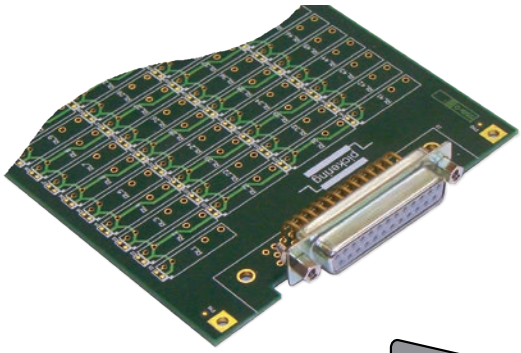


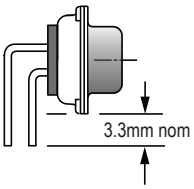
Mating Face of Connector this side of footprint

PCB Footprint of 25-Pin Right Angle Female Connector (Connector Side - Not to Scale)

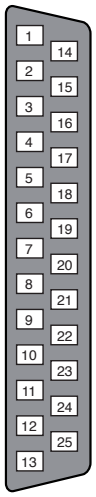
Product Compatibility







Effective Leg Length



Female
Mating Face

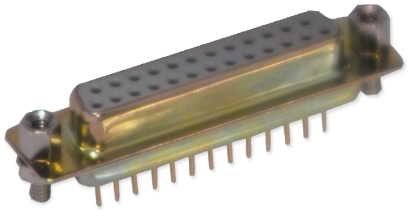
Product Order Codes

25-Pin D-Type Connector, 5A, Right Angle PCB Mount, Female	40-963-025-RF

- **Straight PCB Mount**
- **Ideal for User Created Termination Solutions**

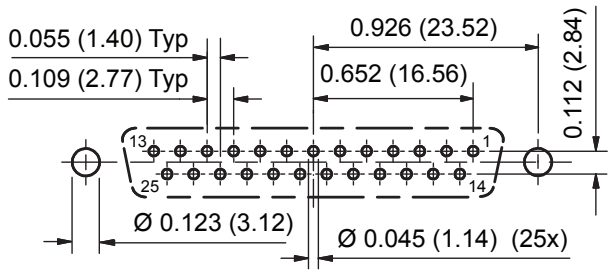
This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



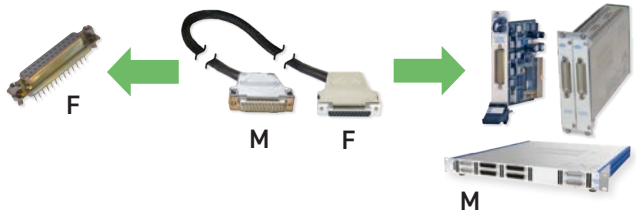
Technical Specification

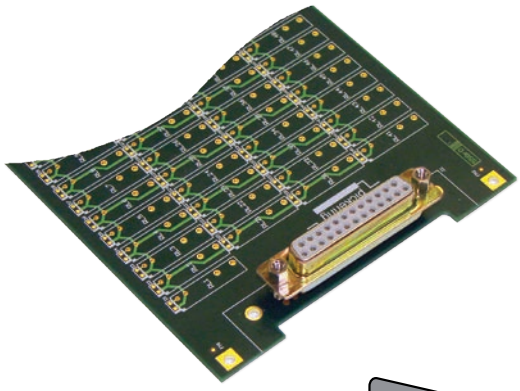
Connector Type:	25-Pin D-Subminiature
Gender	Female
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Straight PCB mount, solder
Connector Ratings:	
Maximum Current	5A each pin
Maximum Voltage	250V AC
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
PCB Legs:	
Leg Length	5mm nom (See diagram)

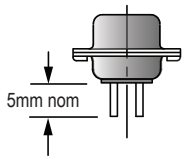


PCB Footprint of 25-Pin Straight Female Connector (Connector Side - Not to Scale)

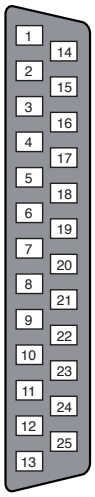
Product Compatibility







Leg Length



Female Mating Face

Product Order Codes

25-Pin D-Type Connector, 5A, Straight PCB Mount, Female	40-963-025-SF

- **Right Angle PCB Mount**
- **Ideal for User Created Termination Solutions**

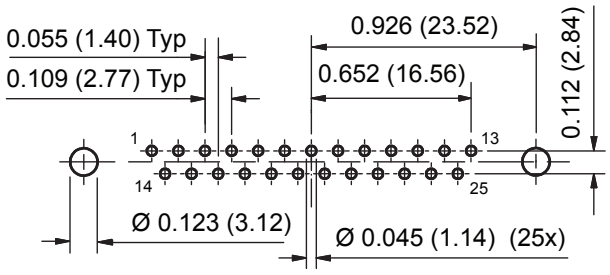
This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



Technical Specification

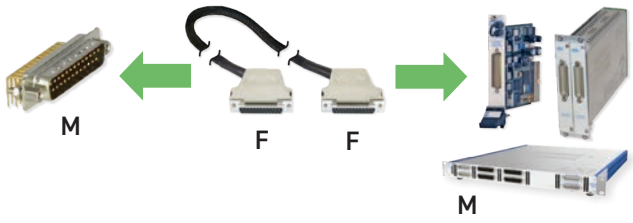
Connector Type:	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Right angle PCB mount, solder
Connector Ratings:	
Maximum Current	5A each pin
Maximum Voltage	250V AC
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
PCB Legs:	
Effective Leg Length	3.2mm nom (See diagram)

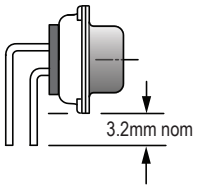


Mating Face of Connector this side of footprint

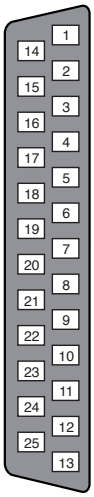
PCB Footprint of 25-Pin Right Angle Male Connector (Connector Side - Not to Scale)

Product Compatibility





Effective Leg Length



Male
Mating Face

Product Order Codes

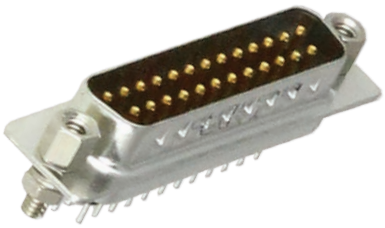
25-Pin D-Type Connector, 5A, Right Angle PCB Mount, Male	40-963-025-RM

PCB Connector, Straight - Male

- **Straight PCB Mount**
- **Ideal for User Created Termination Solutions**

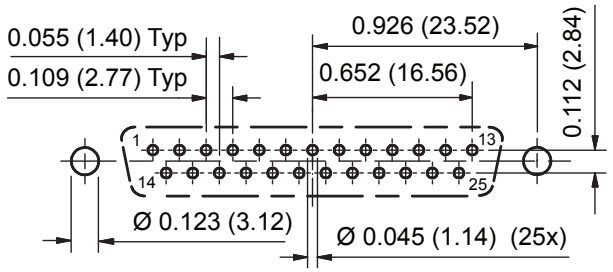
This accessory allows a user to create their own PCB based termination solution mounted on the end of a cable. Suitable cables for this product are contained elsewhere in this data sheet. Interfacing PCBs should be designed with suitable clearances for the voltage the application requires.

Note: This product is not suitable for directly mounting onto the front panel of a Pickering switching product.



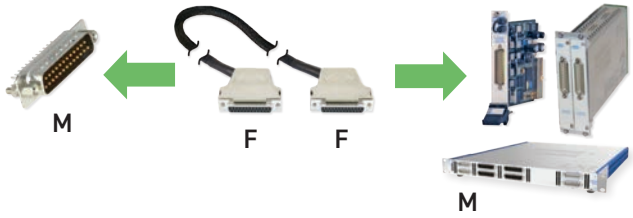
Technical Specification

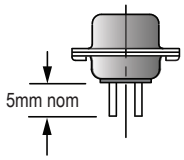
Connector Type:	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, female
PCB Mounting	Straight PCB mount, solder
Connector Ratings:	
Maximum Current	5A each pin
Maximum Voltage	250V AC
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
PCB Legs:	
Leg Length	5mm nom (See diagram)



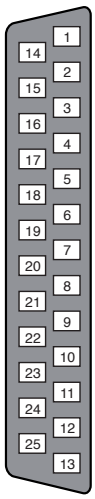
PCB Footprint of 25-Pin Straight Male Connector (Connector Side - Not to Scale)

Product Compatibility





Leg Length



Male
Mating Face

Product Order Codes

25-Pin D-Type Connector, 5A, Straight PCB Mount, Male	40-963-025-SM

Additional Connection Accessories

Although these items do not directly mate with Pickering Interfaces products customers may find them useful in the development of their own connection solutions.

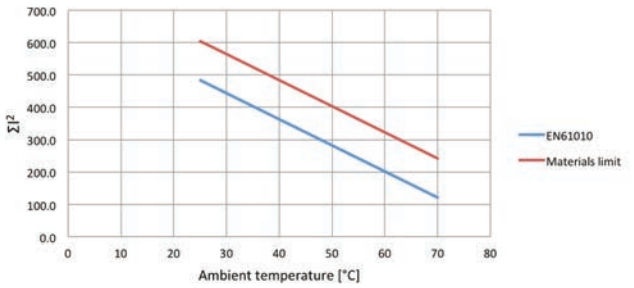
Cable Assy - Male to Male

- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit

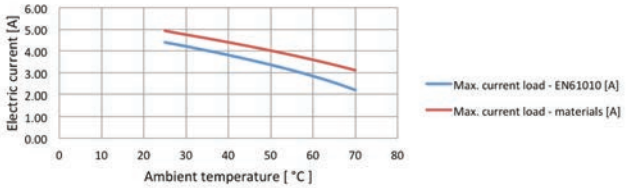
Technical Specification

Connector Type (End A):	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Connector Type (End B):	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Maximum Current	5A
Maximum Voltage	250VAC/400VDC
Insulation Resistance	1000MOhm
Connectors:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Cable Exit	45° (Towards Pin 1)
Overall Size (Approx)	H54 x W15.5 x D52mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	19/0.18 (0.410mm², 21AWG)
Resistance	0.041Ω/m
Insulation	PFA
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshells)
Additional Braided Sleeve	Yes
Cable O/D	10mm
Minimum Bend Radius	25mm
Door Closure Allowance	55mm (see diagram)

Characteristic Plots for 40-970-025-1m

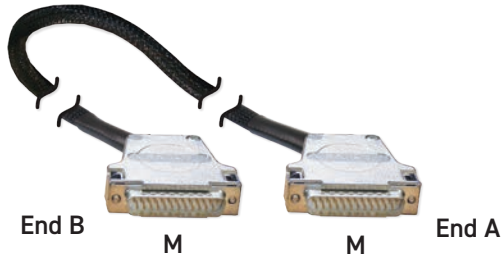


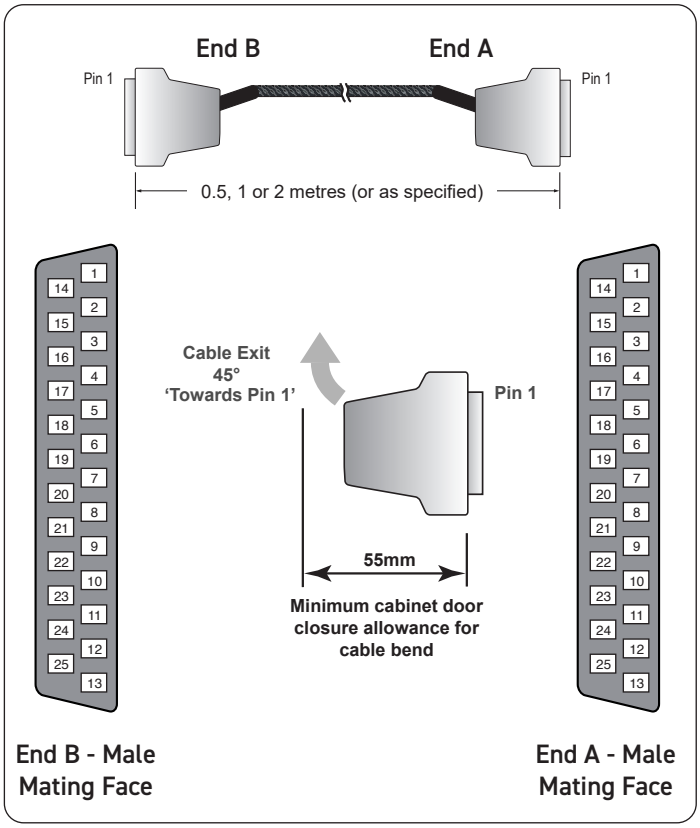
The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product





Product Order Codes

25-Pin D-Type Cable Assy, 5A, Male to Male,	
0.5m Long	40-970-025-0.5m-MM
1.0m Long	40-970-025-1m-MM
2.0m Long	40-970-025-2m-MM

Note: Other cable lengths can be supplied.

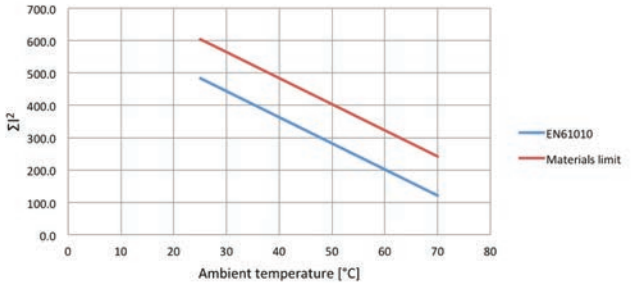
- High Specification, Highly Flexible Cable
- Fully Screened Cable Construction with Strain Relief
- 45 Degree Cable Exit
- Fully Coded Markers to Ensure Easy Connection

Technical Specification

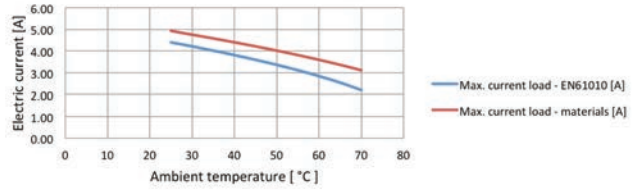
Connector Type (End A):	25-Pin D-Subminiature
Gender	Male
Securing Method	4-40 UNC screwlocks, male
Unterminated End (End B):	
Free Wire Length	130mm nominal
Individual Wire Labelling	To connector pins A white/black screen pigtail is included
Wire End Options	Ferrules, Tinned, Cut End
Maximum Current	5A
Maximum Voltage	250VAC/400VDC
Insulation Resistance	1000MOhm
Connector:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Cable Exit	45° (Towards Pin 1)
Overall Size (Approx)	H54 x W15.5 x D52mm
Cable Type:	Individual wires, screened & sleeved
Conductor: Material	Tinned copper wire
Strands	19/0.18 (0.410mm^2, 21AWG)
Resistance	0.041Ω/m
Insulation	PFA
Outer Sleeve	Polyester
Screened Construction	Yes (Cable screen connected to backshell)
Additional Braided Sleeve	Yes
Cable O/D	10mm
Minimum Bend Radius	25mm
Door Closure Allowance	55mm (see diagram)

Note: When using this product please ensure appropriate electrical safety.

Characteristic Plots for 40-972-025-1m

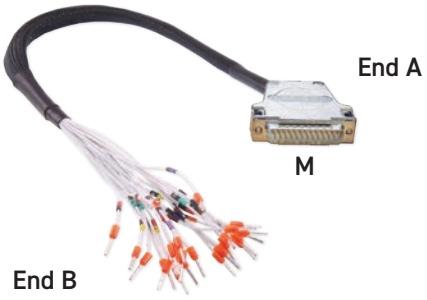


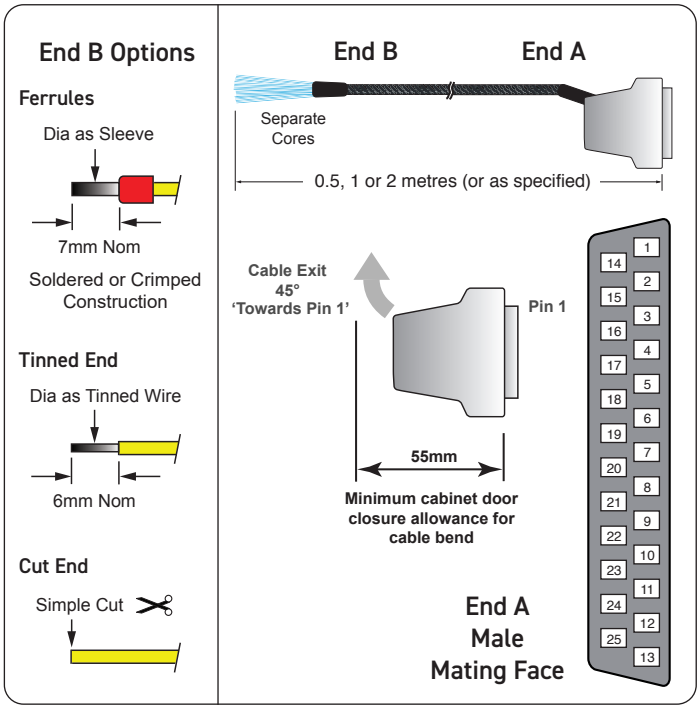
The graph shows the permitted ΣI² versus ambient temperature in accordance with EN61010 for user exposure to surface temperature and a higher limit imposed by the materials used where the cable is not directly user accessible.



The graph shows the allowed current versus temperature assuming ALL wires carry the same current. Higher currents to the cable rating are permitted on individual wires provided the ΣI² is complied with.

This Cable Assembly is Not Suitable for Connection to a Pickering Switching Product





Product Order Codes

25-Pin D-Type Cable Assy, 5A, Male to Unterminated, Ferrules,	
0.5m Long	40-972-025-0.5m-MU
1.0m Long	40-972-025-1m-MU
2.0m Long	40-972-025-2m-MU

Part numbers for other versions:

A025DM5-*-0A***

- End B: T = Tinned End, C = Cut End
- Cable Length: 050 = 0.5m, 100 = 1.0m, 200 = 2.0m

Note: Other cable lengths can be supplied.

Connector Block - Male

- **Connector and PCB Only or Connector, PCB and Backshell**
- **Male Screwlocks**
- **Cable Clamp in Backshell**
- **Easy to Use Rising Cage Screw Terminals**

Connector blocks provide a convenient method of termination without the use of custom cabling. However, a higher resistance path, lower capacity ratings and lower voltage ratings are typical.

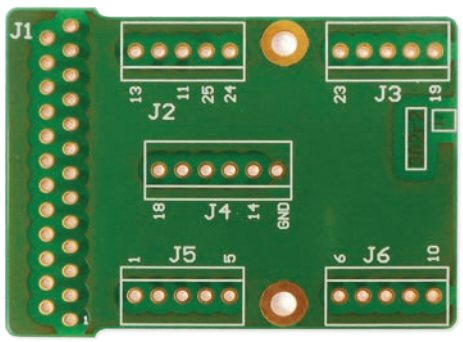
The screw terminals use a rising cage clamp mechanism to minimize risk of copper strand breakage. PTFE cables are recommended for use with this connector block to maximise copper cross-sectional area and insulation properties. The breakdown voltage of the connector block is controlled by clearances to the metal shell. The metal shell includes an internal insulation barrier under the carrier board.

This connector block uses male screwlocks and will not mate to Pickering cables. Connector blocks supplied without a backshell do not include cable strain relief.

Technical Specification

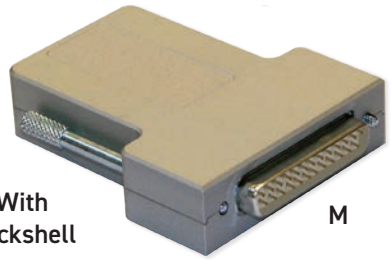
Connector Type:	25-Pin D-Subminiature
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Rising cage screw terminals A screen (GND) connection is provided
Connector Block Ratings:	
Maximum Current	5A
Maximum Voltage	200V DC
Cable Exit	Rear - 11 x 24mm
Overall Size (Approx)	H59.5 x W17.5 x D74.5mm
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	<20mOhm
Screw Terminals:	
Maximum Wire Size	20AWG
Recommended Insulation	PTFE
Additional Cable Clamp	Yes (in backshell)

Note: When using this product please ensure appropriate electrical safety precautions are observed.



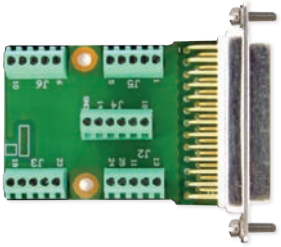
PCB Legend

This Connector Block is Not Suitable for Connection to a Pickering Switching Product



With Backshell — M

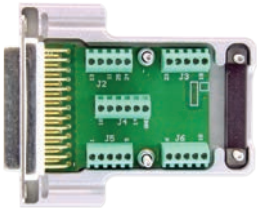
OR

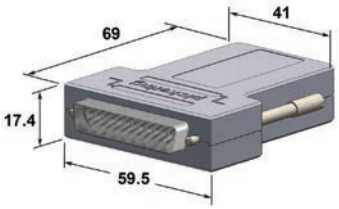


Without Backshell — M

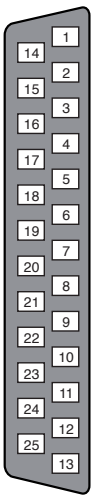
Product Compatibility







Connector Block Dimensions



Male Mating Face

Product Order Codes

25-Pin D-Type Connector Block, 5A, Screw Terminal,	
With Backshell, Male	40-965-025-M
Without Backshell, Male	92-965-025-M

- **Connector only or Connector and Backshell**
- **Male Screwlocks**
- **Cable Clamp in Backshell**
- **Soldered Cable Termination**

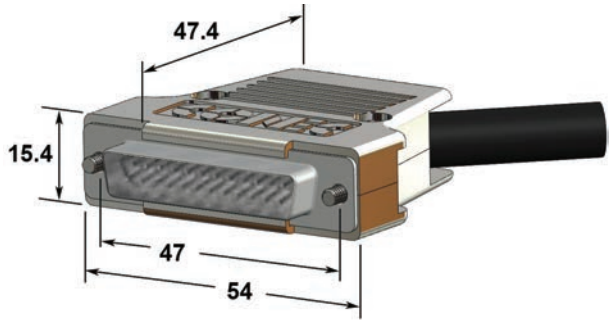
This accessory is designed to allow users to directly terminate with soldered connections to the connector.

Connector and shell are supplied separately to allow the user to determine the direction of the cable exit.

When the product is used without a backshell users should make their own cable strain relief arrangements and ensure appropriate electrical safety precautions are observed.

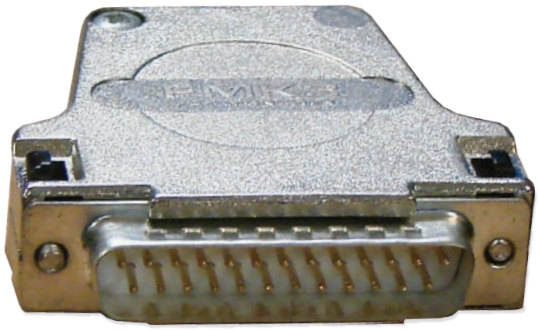
Technical Specification

Connector Type:	25-Pin D-Subminiature
Gender	Male
Securing Method:	
Product with Backshell	4-40 UNC screwlocks, male
Product without Backshell	4-40 UNC screwlocks, male
Wire Connection	Solder bucket. A backshell fixing is also provided for a cable screen
Connector Ratings:	
Maximum Current	5A
Maximum Voltage	250V AC
Cable Exit:	45°
Cable Exit Size	10mm dia
Overall Size (Approx)	H54 x W15.5 x D52mm
25-Pin D-Sub:	
Contact Material	Gold plated copper alloy
Contact Resistance	20mOhm
Wire Connection:	
Maximum Wire Size	20AWG
Recommended Insulation	PFA
Additional Cable Clamp	Yes (in backshell)

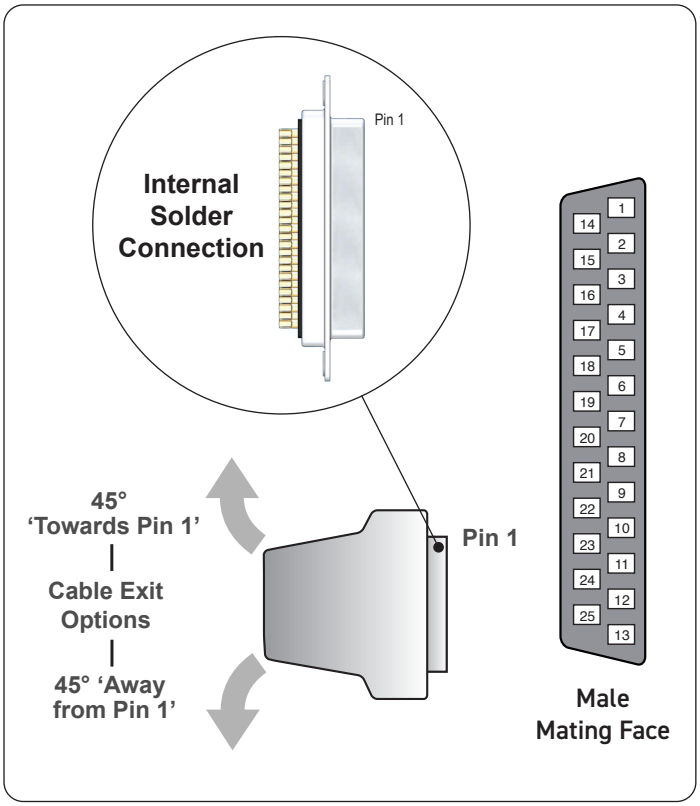


Connector Dimensions

This Connector is Not Suitable for Connection to a Pickering Switching Product



With Backshell — M



Product Order Codes

25-Pin D-Type Connector, 5A, Solder Bucket,	
With Backshell, Male	40-960-025-M
Without Backshell, Male	92-960-025-M

Custom Termination

Pickering Interfaces are able to manufacture custom built cable assemblies and backshells that mate with all the connectors we use in our extensive product range and to provide connection solutions for third party products.

We are able to model and manufacture cable assemblies and other termination arrangements to user notes and drawings, and to deal with simple and complex assemblies, and both small and high volume orders.

All products are designed to ensure easy and problem free connection.

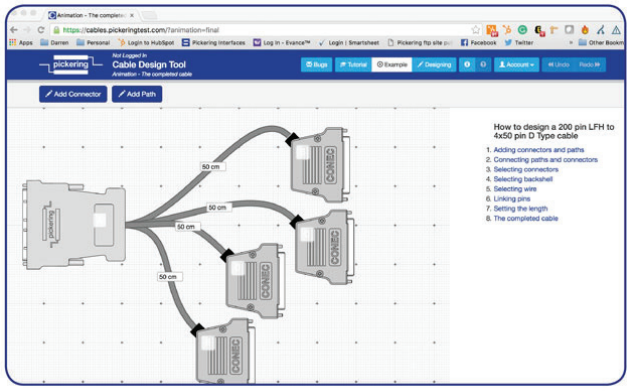
We offer a fast turn round of custom items to keep your ordering and integration time scales to a minimum.

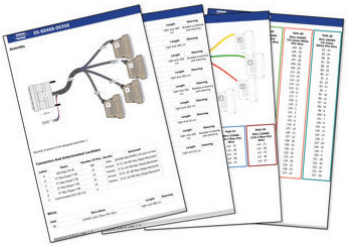


Pickering's Cable Design Tool

Our Cable Design Tool is an online tool that allows you to define a cable assembly to exactly meet your requirements.

- Graphical design of customized cable assemblies
- Built-in library of standard cable sets can be used as the basis for customization, or cables can be defined from scratch
- The ability to store cable assemblies in the Cloud and develop them over time
- Each cable design has a PDF documentation file detailing all the specifications
- Allows detailed design including; connector types, wire type, pin definitions, pin & cable labelling, cable bundling, length selection, sleeving, comments, etc.
- Add your own connectors and wires
- Fully supported on major tablet operating systems





Because the Cable Design Tool is a web-based tool, we will continually update it to better accommodate your requirements and features. Your data is not trapped; complete details of the design are always available to the user at any time via the documentation or spreadsheet file. Once a cable is designed, you can submit it to us for quotation.

For more information visit: pickeringtest.com/cdt

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