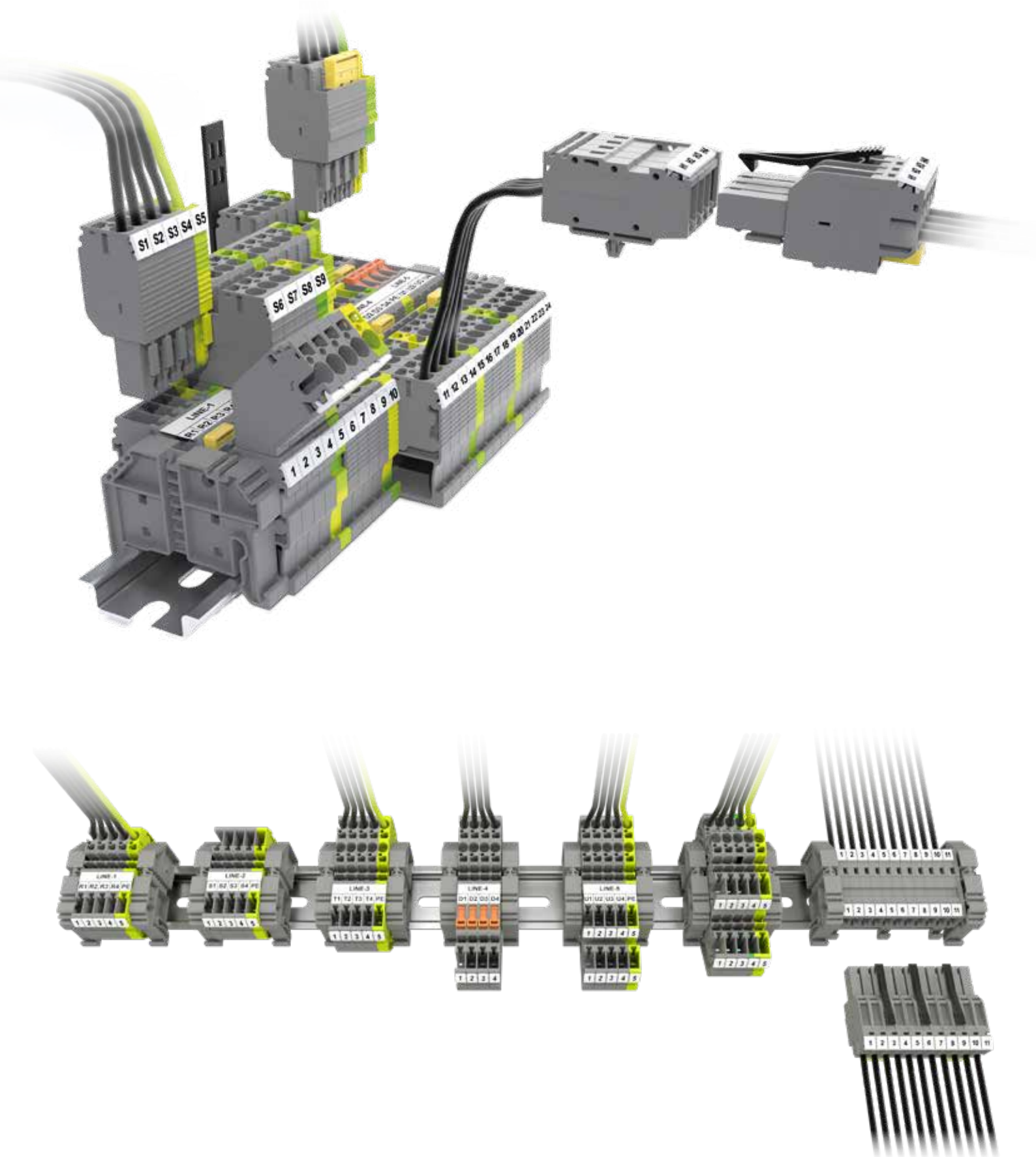


Springing into the range...

SCP





Extensive customisation available

Designed for all requirements



Push In Cross-Connector

It is **easy** to make cross-connections on terminals, the same cross-connectors can also be used for the plugs. Permanent markers can be used to indicate poles on cross-connectors.



Lockable Plug

Extra optional locks **guarantee** your circuits connection against excessive vibrations. Sockets can be removed from terminals by simply pushing the clip upwards.



Wire Assembly for Terminals

Wires can be assembled **quickly** and easily by opening the spring cage with the suitable screwdriver.



Cable Tie Mount

You can use a cable tie to hold all cables together, **neatly** assembled to the socket by using a cable tie mount.



Pin Coding

Enhance your service and maintenance operations by preventing any misconnections. By using pin coding, you can match the right plugs and sockets.

Overview

IMO's new SCP Terminal Blocks are an innovative development for wire connection, offering a new Plug-In solution for signal, controls and power circuits in a modular and speedy manner, utilising plugs and sockets.

IMO SCP terminals and plugs have a nominal current of 25A and a nominal voltage of 500VAC thanks to their powerful plug-in contact, making them suitable for use in most applications and are 100% reliable every time. The SCP range offers plug-in versions with spring clamp connection and are complimented by a range of accessories.

Specifically developed for quick and easy connection and disconnection, enabling maintenance or service staff to carry out installation, replacement and testing with minimum effort in a timely fashion. In fact, when comparing the time required to wire traditional screw clamp DIN Rail terminals, SCP can save as much as 70% wiring time. As time equals money, the time savings add up to considerable cost savings too.

As with all IMO products, the SCP range has been designed to the highest quality standards, using only quality materials, providing maximum safety thanks to their touch-proof design, vibration resistance, and protection from misconnection thanks to code options and locks which ensure the user matches the right plugs to the right sockets.

The SCP range also offers a new level of flexibility, allowing the user to construct customised sets based on individual plugs and sockets, all of which can be purchased separately. SCP cross connectors have also been specifically designed with flexibility in mind, and can fit both plugs and terminals, while users will also find that the marking options available are just as purposeful, allowing use of a wide range of marking options, including strip labels and marking tags for appropriate marking of the terminal block set.



DIN Rail Mount



Free Mount



Hole Mount

Spring Clamp System

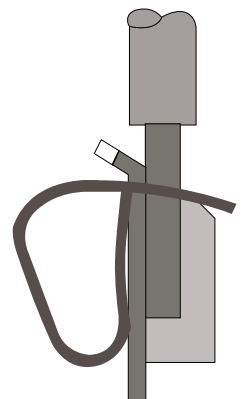
Material Properties

All metal parts of the spring clamp terminal blocks are made from non corroding materials. The conductive parts are made of plated high grade copper alloy giving excellent contact resistance. The contact force of the spring clamp connection is applied by a spring element made from high-strength metal. The insulating housing of the spring clamp terminal blocks is made from recyclable PA 6.6 offering high impact strength and UV-resistance.

Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 has an operating temperature of up to 100°C and is certified for flammability rating V2 according to UL 94.

Connection Principle

Spring Clamp terminal blocks have been developed for universal spring-loaded conductor contacting. The contact force is independent of the user and creates a vibration-proof connection with long-term stability. The terminal point is opened with a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. The terminal and plug operation offers easy single plane connection i.e., the conductor and screwdriver come in parallel from the same direction. Spring Clamp terminals provide a large cable connection capacity.



Configurator

Terminal Options & Ordering Codes

Example

SCP

2.5

GREY

:

Spring Connection Pluggable
Feed Through Terminal Block
Wire to Plug, Grey Colour

End Plate

EP

Series

Spring Connection Pluggable

SCP

Single
Entry/Exit

Mounting & Connection Options

DIN Rail Mount

-FM

Connector Mount

-HM

Hole Mount

-HO

Horizontal Mount

PP

Plug to Plug

PE

Earth

PPPE

Plug to Plug, Earth

Multi
Entry/Exit

Connection Options

21

Double Wire Entry to Plug

22

Double Wire Entry to Two Plug

22D

Two-Level Double Wire Entry to Two Plug

22DB

Two-Level Double Wire Entry To Two Plugs, Equipotential Bonding

22DLP

Two-Level Double Wire Entry To Two Plugs, Phase - PE conductors

22K

Double Wire Entry To Two Plugs, Knife disconnect

21PE

Double Wire Entry to Plug, Earth

22PE

Double Wire Entry to Two Plug, Earth

22DBPE

Two-Level Double Wire Entry To Two Plugs, Equipotential Bonding, Earth

Plug Type Options & Ordering Codes

Example

SCP

-

PT

2.5

1

GREY

:

Spring Connection Pluggable
Plug Type, One Pole, Grey Colour

End Plate

EP

Series

Spring Connection Pluggable

SCP

Connection Options

Plug Type

PT

Bridgeable

PTCC

Angled

PTA

Earth

PTPE

Bridgeable Earth

PTCCPE

Angled Earth

PTAPE

Cross Section

1

One Pole

/1L

One Pole Modular Left

/1M

One Pole Modular Middle

/1R

One Pole Modular Right

Cross Section

2.5

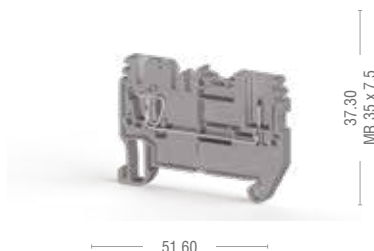
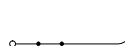
2.5mm²

Alternative Colours Available Upon Request, Minimum Order Quantity May Apply

Blue	Green	Yellow	Red	Black	White	Orange	Brown
------	-------	--------	-----	-------	-------	--------	-------

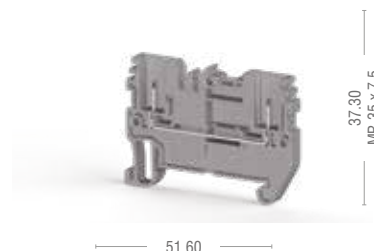
SCP2.5GREY

Width: 5.2 mm



SCPPP2.5GREY

Width: 5.2 mm



Electrical Ratings
CE (IEC 61984 / IEC 60947-7-1)

Connection Data
Conductor cross section solid (min.-max.)
Conductor cross section stranded (min.-max.)
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve
AWG Conductor
Insulation Stripping Length (min.-max.)

Technical Data
Rated Impulse Voltage / Pollution severity
Insulation material group / Gauge pin code according to IEC 60947-1
Protection class / Protection conductor type

Ordering Data
 Feed Through Terminal Block
 Feed Through Terminal Block, Earth

Accessories
End Plate

Cross Connectors


Separation Plate


Pin Code


Marking Tags

Feed Through Terminal Block Wire to Plug

500 V / 24 A / 2.5mm ²
0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/A3
IP 20 / -

Type	Qty.
SCP2.5GREY	50

Type	Qty.
EPSCP2.5GREY	50

Type	Qty.
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5

Type	Qty.
SCPSP2.5GREY	50

Type	Qty.
SCP-CODE	50

Refer to our Printer solution

Feed Through Terminal Block Plug to Plug

500 V / 24 A / 2.5mm ²
0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/NA
IP 20 / -

Type	Qty.
SCPPP2.5GREY	50

Type	Qty.
EPSCPP2.5GREY	50

Type	Qty.
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5

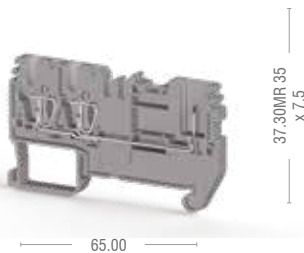
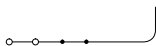
Type	Qty.
SCPSP2.5GREY	50

Type	Qty.
SCP-CODE	50

Refer to our Printer solution

SCP212.5GREY

Width: 5.2 mm

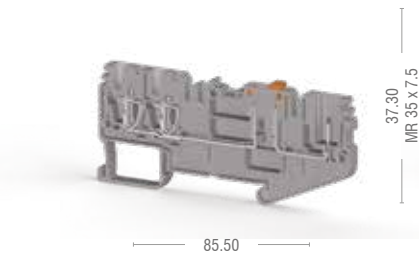


Feed Through Terminal Block
Double Wire Entry to Plug

500 V / 24 A / 2.5mm ²	
0.08 - 4 mm ²	
0.14 - 2.5 mm ²	
0.5 mm ²	
28-12	
8-10 mm	
6/3	
1/A3	
IP 20 / -	
Type	Qty.
SCP212.5GREY	50
Type	Qty.
EPSCP212.5GREY	50
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5
SCPSP212.5GREY	50
SCP-CODE	50
Refer to our Printer solution	

SCP22K2.5GREY

Width: 5.2 mm

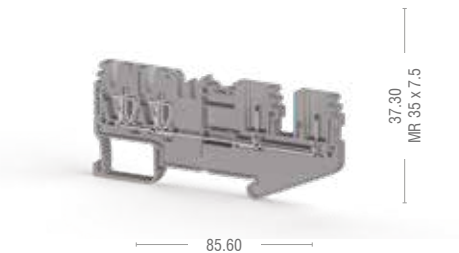
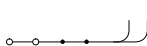


Knife Disconnect Terminal Block
Double Wire Entry to Plug

400 V / 24 A / 2.5mm ²	
0.08 - 4 mm ²	
0.14 - 2.5 mm ²	
0.5 mm ²	
28-12	
8-10 mm	
6/3	
1/A3	
IP 20 / -	
Type	Qty.
SCP22K2.5GREY	50
Type	Qty.
EPSCP22K2.5GREY	50
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5
SCPSP22K2.5GREY	50
SCP-CODE	50
Refer to our Printer solution	

SCP222.5GREY

Width: 5.2 mm

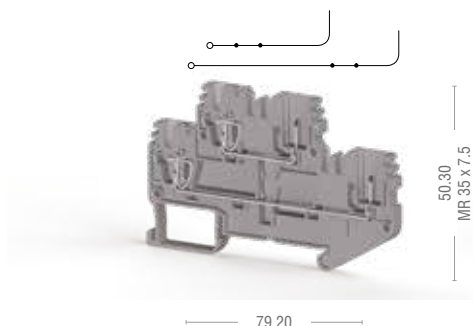


Feed Through Terminal Block
Double Wire Entry to Two Plugs

500 V / 24 A / 2.5mm ²	
0.08 - 4 mm ²	
0.14 - 2.5 mm ²	
0.5 mm ²	
28-12	
8-10 mm	
6/3	
1/A3	
IP 20 / -	
Type	Qty.
SCP222.5GREY	50
Type	Qty.
EPSCP222.5GREY	50
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5
SCPSP222.5GREY	50
SCP-CODE	50
Refer to our Printer solution	

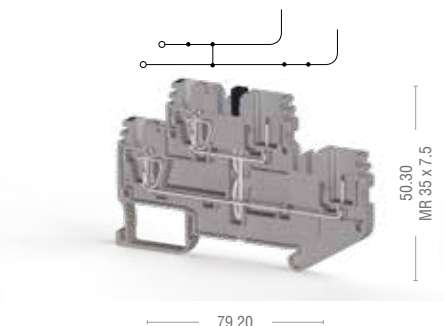
SCP22D2.5GREY

Width: 5.2 mm



SCP22DB2.5GREY

Width: 5.2 mm



Feed Through Two-Level Terminal Block Double Wire Entry to Two Plugs

Feed Through Two-Level Terminal Block Double Wire Entry To Two Plugs Vertically Bridged

Electrical Ratings	500 V / 24 A / 2.5mm ²		500 V / 24 A / 2.5mm ²	
CE (IEC 61984 / IEC 60947-7-1)				
Connection Data				
Conductor cross section solid (min.-max.)	0.08 - 4 mm ²		0.08 - 4 mm ²	
Conductor cross section stranded (min.-max.)	0.14 - 2.5 mm ²		0.14 - 2.5 mm ²	
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0.5 mm ²		0.5 mm ²	
AWG Conductor	28-12		28-12	
Insulation Stripping Length (min.-max.)	8-10 mm		8-10 mm	
Technical Data				
Rated Impulse Voltage / Pollution severity	6/3		6/3	
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3		1/A3	
Protection class / Protection conductor type	IP 20 / -		IP 20 / -	
Ordering Data	Type	Qty.	Type	Qty.
 Feed Through Terminal Block	SCP22D2.5GREY	50	SCP22DB2.5GREY	50
 Feed Through Terminal Block, Earth				
Accessories	Type	Qty.	Type	Qty.
End Plate 	EPSCP22D2.5GREY	25	EPSCP22D2.5GREY	25
Cross Connectors 	CCSSCP2.5/2	25	CCSSCP2.5/2	25
	CCSSCP2.5/3	20	CCSSCP2.5/3	20
	CCSSCP2.5/4	15	CCSSCP2.5/4	15
	CCSSCP2.5/5	10	CCSSCP2.5/5	10
	CCSSCP2.5/10	5	CCSSCP2.5/10	5
Separation Plate 	SCPSP22D2.5GREY	50	SCPSP22D2.5GREY	50
Pin Code 	SCP-CODE	50	SCP-CODE	50
Marking Tags	Refer to our Printer solution		Refer to our Printer solution	

Width: 5.2 mm

51.60

37.30

MR 35 x 7.5

Width: 5.2 mm

37.30
MR 35 x 7.5

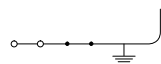
51.60

Feed Through Terminal Block Plug to Plug Protective Earth

9

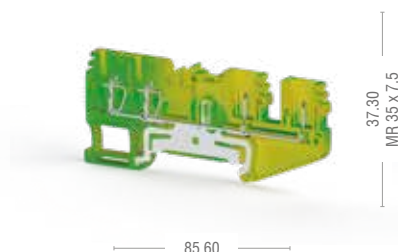
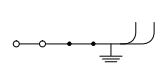
SCP21PE2.5P

Width: 5.2 mm



SCP22PE2.5P

Width: 5.2 mm



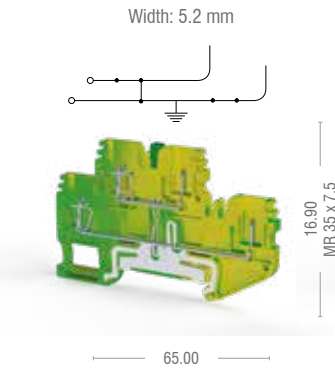
Feed Through Terminal Block Double Wire Entry to Plug Protective Earth

Feed Through Terminal Block Double Wire Entry to Two Plugs Protective Earth



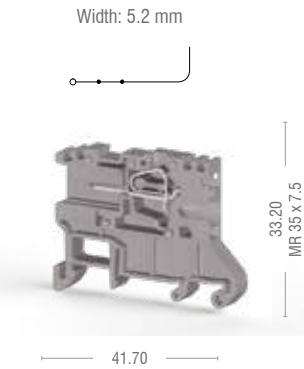
Electrical Ratings				
CE (IEC 61984 / IEC 60947-7-1)			V / A / 2.5mm ²	
Connection Data				
Conductor cross section solid (min.-max.)			0.08 - 4 mm ²	
Conductor cross section stranded (min.-max.)			0.14 - 2.5 mm ²	
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve			0.5 mm ²	
AWG Conductor			28-12	
Insulation Stripping Length (min.-max.)			8-10 mm	
Technical Data				
Rated Impulse Voltage / Pollution severity			6/3	
Insulation material group / Gauge pin code according to IEC 60947-1			1/A3	
Protection class / Protection conductor type			IP 20 / PE	
Ordering Data			Type	Qty.
 Feed Through Terminal Block				
 Feed Through Terminal Block, Earth			SCP21PE2.5	50
Accessories			Type	Qty.
End Plate			EPSCP21PE2.5	50
Cross Connectors			CCSSCP2.5/2	25
			CCSSCP2.5/3	20
			CCSSCP2.5/4	15
			CCSSCP2.5/5	10
			CCSSCP2.5/10	5
Separation Plate			SCPSP212.5GREY	50
Pin Code			SCP-CODE	50
Marking Tags			Refer to our Printer solution	

SCP22DBPE2.5P



Feed Through Two-Level Terminal Block
Double Wire Entry to Two Plugs
Vertically Bridged, Protective Earth

SCP-H02.5



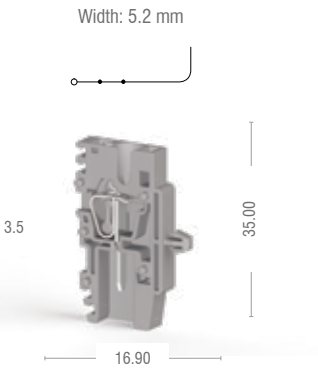
Feed Through Terminal Block
Wire to Plug
Horizontal Mount

SCP-FM2.5



Feed Through Terminal Block
Wire to Plug
Connector Mount

SCP-HM2.5

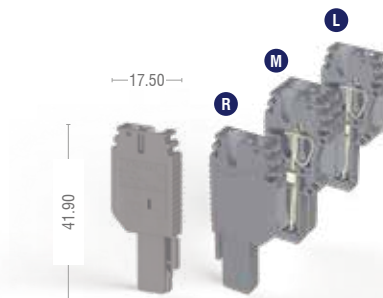


Feed Through Terminal Block
Wire to Plug
Hole Mount

V / A / 2.5mm²		500 V / 24 A / 2.5mm²		500 V / 24 A / 2.5mm²		500 V / 24 A / 2.5mm²	
0.08 - 4 mm²		0.08 - 4 mm²		0.08 - 4 mm²		0.08 - 4 mm²	
0.14 - 2.5 mm²		0.14 - 2.5 mm²		0.14 - 2.5 mm²		0.14 - 2.5 mm²	
0.5 mm²		0.5 mm²		0.5 mm²		0.5 mm²	
28-12		28-12		28-12		28-12	
8-10 mm		8-10 mm		8-10 mm		8-10 mm	
6/3		6/3		6/3		6/3	
1/A3		1/A3		1/A3		1/A3	
IP 20 / PE		IP 20 / -		IP 20 / -		IP 20 / -	
Type	Qty.	Type	Qty.	Type	Qty.	Type	Qty.
SCP22DBPE2.5	25	SCPH02.5GREY	50	SCPFM2.5GREY	50	SCPHM2.5GREY	50
Type	Qty.	Type	Qty.	Type	Qty.	Type	Qty.
EPSCP22DBPE2.5	25	EPSCPPT2.5GREY	50	EPSCPGREY	50	EPSCPGREY	50
CCSSCP2.5/2	25						
CCSSCP2.5/3	20						
CCSSCP2.5/4	15						
CCSSCP2.5/5	10						
CCSSCP2.5/10	5						
SCPSP22D2.5GREY	25						
SCP-CODE	50						
Refer to our Printer solution		Refer to our Printer solution		Refer to our Printer solution		Refer to our Printer solution	

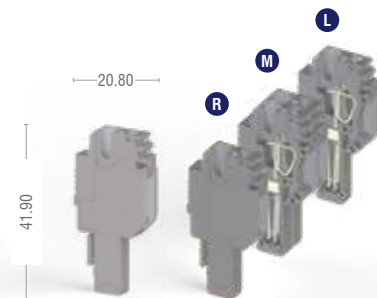
SCP-PT2.5

Width: 5.2 mm



SCP-PTCC2.5

Width: 5.2 mm



Electrical Ratings
CE (IEC 61984 / IEC 60947-7-1)

Connection Data
Conductor cross section solid (min.-max.)
Conductor cross section stranded (min.-max.)
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve
AWG Conductor
Insulation Stripping Length (min.-max.)

Technical Data
Rated Impulse Voltage / Pollution severity
Insulation material group / Gauge pin code according to IEC 60947-1
Protection class / Protection conductor type

Ordering Data
☐ Plug Wire to Socket, One Pole
☐ Plug Wire to Socket, One Pole Modular, Left Hand Side L
☐ Plug Wire to Socket, One Pole Modular, Middle M
☐ Plug Wire to Socket, One Pole Modular, Right Hand Side R
☐ Plug Wire to Socket, One Pole, Earth

Accessories
Cross Connectors

Socket Locks

Cable Tie Holder

Marking Solution

One Pole or Modular Composition Plug

500V / 24A / 2.5mm ²

0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/A3
IP 20 / -

Type	Qty.
SCP-PT2.5/1GREY	50
SCP-PT2.5/1LGREY	50
SCP-PT2.5/1MGREY	50
SCP-PT2.5/1RGREY	50
SCP-PTPE2.5	50

Type	Qty.

SCP-LOCK1	50
SCP-LOCK2	50

SCP-HOLD	100

Refer to our Printer Section

One Pole or Modular Composition Plug, Cross Connectable

500V / 24A / 2.5mm ²

0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/A3
IP 20 / -

Type	Qty.
SCP-PTCC2.5/1GREY	25
SCP-PTCC2.5/1LGREY	20
SCP-PTCC2.5/1MGREY	15
SCP-PTCC2.5/1RGREY	10
SCP-PTCCPE2.5	5

Type	Qty.
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5

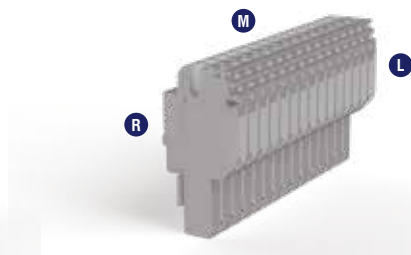
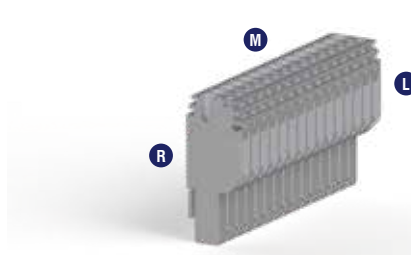
SCP-LOCK1	50
SCP-LOCK2	50

SCP-HOLD	100

Refer to our Printer Section

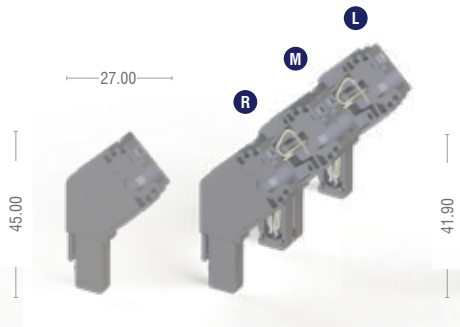
Combination Possibilities

By combining single units of **L-R** products for left and right ends, add desired quantities of **M** products in-between to make your custom sockets.



SCP-PTA2.5

Width: 5.2 mm



One Pole or Modular Composition
Plug, 45° Angled

500V / 24A / 2.5mm ²

0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/A3
IP 20 / -

Type	Qty.
SCP-PTA2.5/1GREY	50
SCP-PTA2.5/1LGREY	50
SCP-PTA2.5/1MGREY	50
SCP-PTA2.5/1RGREY	50
SCP-PTAPE2.5	50

Type	Qty.

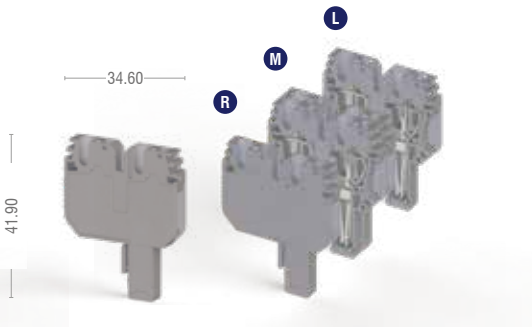
SCP-LOCK1	50
SCP-LOCK2	50

SCP-HOLD	100

Refer to our Printer Section

SCP-PTD2.5

Width: 5.2 mm



One Pole or Modular Composition
Plug, Double Entry, Cross Connectable

500V / 24A / 2.5mm ²

0.08 - 4 mm ²
0.14 - 2.5 mm ²
0.5 mm ²
28-12
8-10 mm

6/3
1/A3
IP 20 / -

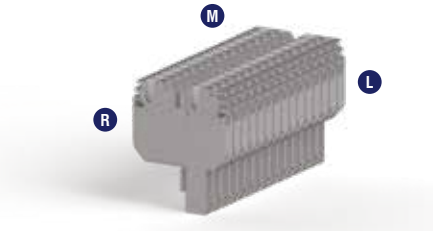
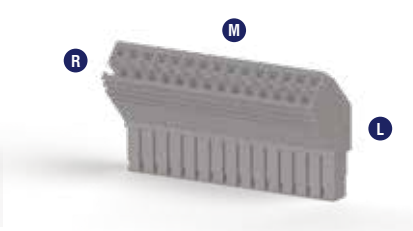
Type	Qty.
SCP-PTD2.5/1GREY	25
SCP-PTD2.5/1LGREY	20
SCP-PTD2.5/1MGREY	15
SCP-PTD2.5/1RGREY	10
SCP-PTDPE2.5	5

Type	Qty.
CCSSCP2.5/2	25
CCSSCP2.5/3	20
CCSSCP2.5/4	15
CCSSCP2.5/5	10
CCSSCP2.5/10	5

SCP-LOCK1	50
SCP-LOCK2	50

SCP-HOLD	100

Refer to our Printer Section



Accessories

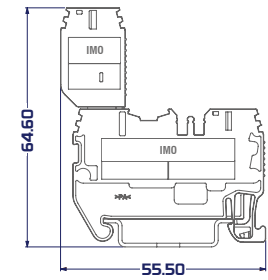
Type		Description
SCP-LOCK1 50 Qty.		Single Plug Lock on Terminal
SCP-LOCK2 50 Qty.		Dual plug Lock on Terminal
SCP-CODE 50 Qty.		Terminal Coding Accessory
SCP-HOLD 100 Qty.		Plug Cable Tie Holder
SCP-CROSS-L 100 Qty.		Terminal Cross-Connection Black
SCP-CROSS-PE 100 Qty.		Terminal Cross-Connection Green
SCP-TEST 50 Qty.		Test Plug For SCP Terminal

Type		Description
SPSCP2.5GREY 50 Qty.		Terminal Separation Plates
SPSCP212.5GREY 50 Qty.		Terminal Separation Plates 2 Entry to Plug
SPSCP222.5GREY 50 Qty.		Terminal Separation Plates 2 Entry to 2 Plug
SPSCP22D2.5GREY 25 Qty.		Terminal Separation Plates 2 Entry to 2 Plug Two Level

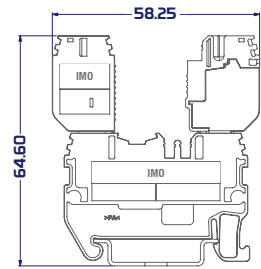


Drawings & Dimensions

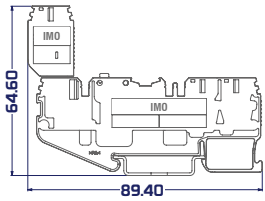
SCP2.5



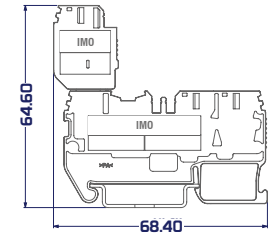
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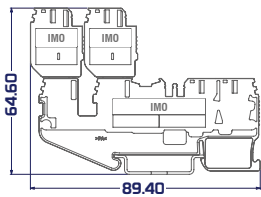
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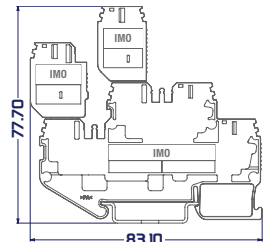
SCP212.5



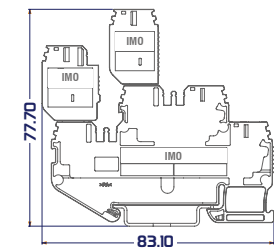
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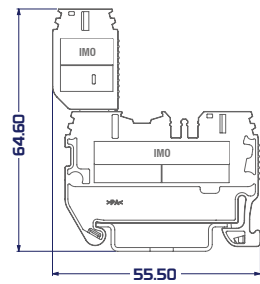
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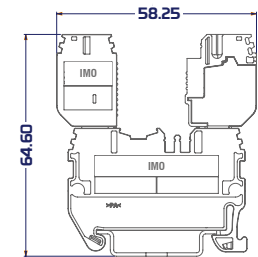
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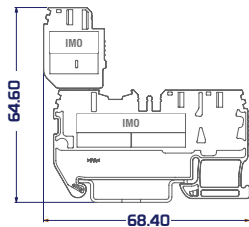
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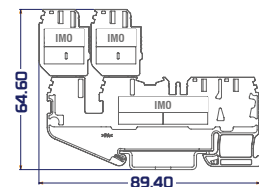
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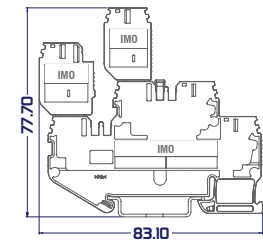
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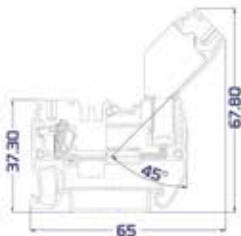
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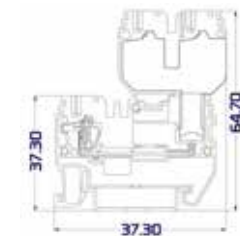
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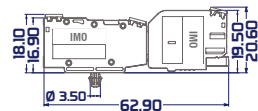
SCPHM2.5



SCPPTD2.5



SCPHM2.5



SCPH02.5



SCPFM2.5



* All dimensions shown are in millimetres.

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IMO Automazione

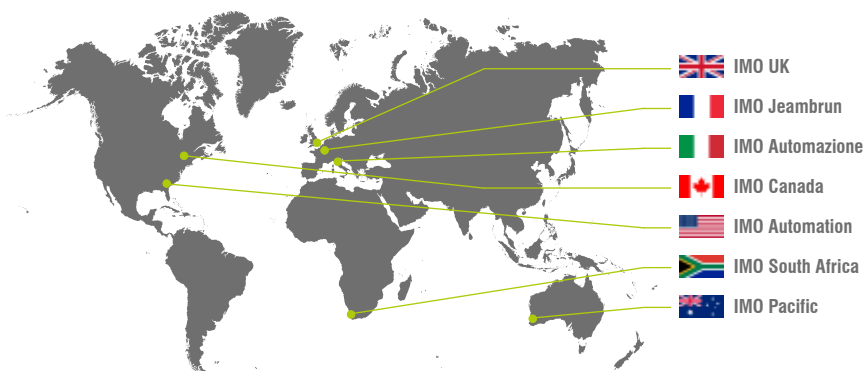
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