

DISCONNECT & TEST TERMINAL BLOCKS

These blocks are used for measuring, control and regulatory circuits. They provide a clear functional advantage for devices having utility instruments and associated transformers.

In CDTTU / CDTTUSH Disconnection is achieved by means of a slide link operated with a screw driver.

In CKT4U & CKT4U/4 Disconnection is achieved by lifting a lever which operates the knife contact.

CKT4U/S is another version of CKT4U Terminal Block in which regular slotted screws are used instead of specially designed socket headed screws.

In CSDL4U / CSDL6U / DDDL4U Disconnection is achieved by a hinged lever.

Specially designed socket headed screws act as test monitoring points in Disconnecting & Test Terminal Blocks.

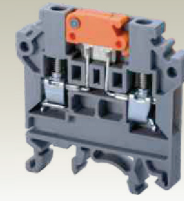
Note:

These disconnecting Terminal Blocks are not suitable for interrupting load. The supply must be switched off before operating the disconnecting link.

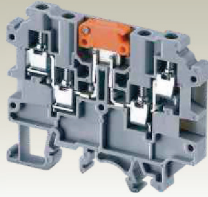
Width (Thickness) x Length		6 x 46.3 mm	
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail		48.3 mm / 56.0 mm / 54.5 mm	
Connection Possibility as per			
With 1 Conductor per clamp	Stranded / Flexible	0.25 - 4.0 mm ²	22 - 10 AWG
	Solid	0.25 - 6.0 mm ²	22 - 8 AWG
	with Ferrule / Lug	0.25 - 4.0 mm ²	22 - 10 AWG
With 2 same size Conductors per clamp	Stranded / Flexible	0.25 - 2.5 mm ²	22 - 12 AWG
	with TWIN Ferrule / Lug	0.25 - 2.5 mm ²	22 - 12 AWG
Wire Stripping Length		9 mm	
Ratings As Per		IEC60947-7-1 IEC 60079-7	UL-1059 CSA22.2-158
Voltage		800 V	600 V
Current		17.5 A	16 A
Torque		0.5 Nm	7 lb-in
Approvals			
Insulation Material / Comparative Tracking Index			
Rated Impulse Voltage / Pollution Degree			
Terminal Block		with Socket screws with Standard screws	
End Plate			
Mounting Rail (Refer Pg. 136 for details)			
End Clamp (Refer Pg. 137 for details)			
Insulated External Shorting Links	2 pole		
	3 pole		
	4 pole		
	10 pole		
Marking Tags (Refer Pg. 139 for details)			
Screw Driver			

IEC		UL - CSA	
0.25 - 4.0 mm ²		22 - 10 AWG	
0.25 - 6.0 mm ²		22 - 8 AWG	
0.25 - 4.0 mm ²		22 - 10 AWG	
0.25 - 2.5 mm ²		22 - 12 AWG	
0.25 - 2.5 mm ²		22 - 12 AWG	
9 mm			
IEC60947-7-1	IEC 60079-7	UL-1059	CSA22.2-158
800 V		600 V	600 V
17.5 A		16 A	16 A
0.5 Nm		7 lb-in	7 lb-in
   			
Polyamide 66 / 1			
8 KV / 3			
Type / Cat. No.		Standard Pack	
CKT4U		50	
CKT4U/S		50	
EPCKT4U		50	
CA701		50 m	
CA701-15		50 m	
CA501		50 m	
CA702		50	
CA802		50	
CA714/2	Imax.: 32 A	100	
CA714/3	32 A	50	
CA714/4	32 A	50	
CA714/10	32 A	20	
CA509/K6		100	
SCS0.6/3.5	Blade size: 0.6 x 3.5 mm	10	

CKT4U



CKT4U/4



6 x 65 mm

54.3 mm / 62.0 mm / 60.5 mm

IEC	UL - CSA
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 2.5 mm ²	22 - 12 AWG
0.25 - 2.5 mm ²	22 - 12 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

	600 V	600 V
	16 A	16 A
	7 lb-in	7 lb-in

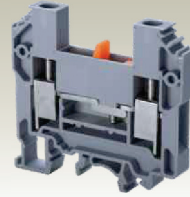


Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	Standard Pack
CKT4U/4 *	100
EPCKT4U/4	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA714/2 [#]	Imax.: 32 A 100
CA714/3	32 A 100
CA714/4	32 A 100
CA714/10	32 A 20
CA509/K6	100
SCS0.6/3.5	Blade size: 0.6 x 3.5 mm 10

CDTTU



8 x 63 mm

58.7 mm / 65.7 mm / 63.7 mm

IEC	UL - CSA
1.5 - 6.0 mm ²	16 - 8 AWG
1.5 - 10.0 mm ²	16 - 6 AWG
1.5 - 6.0 mm ²	16 - 8 AWG
1.5 - 4.0 mm ²	16 - 10 AWG
1.5 - 4.0 mm ²	16 - 10 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	600 V	600 V
41 A	41 A	41 A
1.2 Nm	14 lb-in	14 lb-in

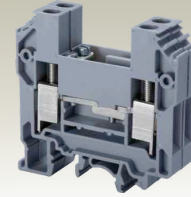


Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	Standard Pack
CDTTU	50
EPCDTTU	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA710/2	Imax.: 41 A 100
CA710/3	41 A 50
CA710/4	41 A 50
CA710/10	41 A 20
CA509/K8	100
SCS1.0/5.5	Blade size: 1.0 x 5.5 mm 10

CDTTUSH



16 x 63 mm

58.7 mm / 65.7 mm / 63.7 mm

IEC	UL - CSA
1.5 - 6.0 mm ²	16 - 8 AWG
1.5 - 10.0 mm ²	16 - 6 AWG
1.5 - 6.0 mm ²	16 - 8 AWG
1.5 - 4.0 mm ²	16 - 10 AWG
1.5 - 4.0 mm ²	16 - 10 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

160 V	150 V	300 V
10 A	10 A	10 A
1.2 Nm	14 lb-in	14 lb-in

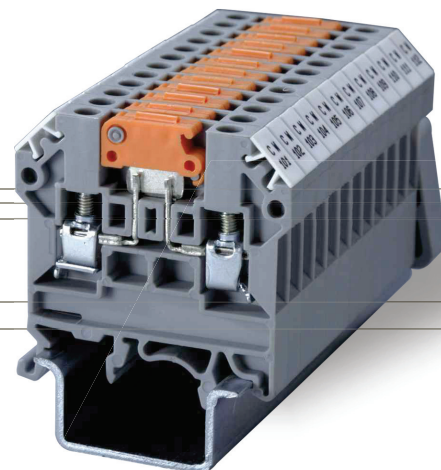


Polyamide 66 / 1

2.5 KV / 3

Type / Cat. No.	Standard Pack
CDTTUSH	50
EPCDTTU	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA710/2	Imax.: 41 A 100
CA710/3	41 A 50
CA710/4	41 A 50
CA710/10	41 A 20
CA509/K8	100
SCS1.0/5.5	Blade size: 1.0 x 5.5 mm 10

* CKT4U/4 Terminal has standard screws on the upper level clamps and socket screws on the lower level clamps.

[#] Insulated External shorting links can be used only in the upper level clamping unit of the Terminal Block.[†] UL approval expected in July 2011

DISCONNECT & TEST TERMINAL BLOCKS

The CDS6U Disconnect & Test Terminal Block is used for measuring, control and regulatory circuits. They provide a clear functional advantage for devices having utility instruments and associated transformers.

Separate testing points facilitate insertion of test probes. Disconnection is achieved by means of a slide link operated with a Screw Driver.

In the CDS6U/TS, the insulated test point screw system (TPSLS) is integrated.

CDS6U/FT Terminal Block is a standard feed through Terminal Block.

In the CDS6U/SC Disconnect & Test Terminal Block, an additional safety spring is provided underneath the screw clamp. These Terminal Blocks are preferred for connections that involve safety requirements of the Electric Supply Industry (ESI) standards, British CEEB regulations and NTPC applications.

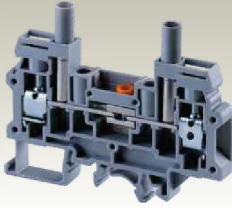
The SLS2 and SLS4 slide shorting link can be used in combination with either the supplied screw or the TPSLS Test point screw system.

Lock out cap LCCDS can be used to lock the center shorting screw, to prevent accidental opening of circuits.

Width (Thickness) x Length		8 x 82 mm	
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail		51.0 mm / 59.2 mm / 56.7 mm	
Connection Possibility as per		IECUL - CSA	
With 1 Conductor per clamp	Stranded / Flexible	0.25 - 6.0 mm ²	22 - 8 AWG
	Solid	0.25 - 10.0 mm ²	22 - 6 AWG
	with Ferrule / Lug	0.25 - 6.0 mm ²	22 - 8 AWG
With 2 same size Conductors per clamp	Stranded / Flexible	0.25 - 4.0 mm ²	22 - 10 AWG
	with TWIN Ferrule / Lug	0.25 - 4.0 mm ²	22 - 10 AWG
Wire Stripping Length		10 mm	
Ratings As Per		IEC60947-7-1 IEC 60079-7	UL-1059CSA22.2-158
Voltage		800 V	600 V600 V
Current		41 A	45 A45 A
Torque		0.8 Nm	14 lb-in14 lb-in
Approvals		UL ² CE	
Insulation Material / Comparative Tracking Index		Polyamide 66 / 1	
Rated Impulse Voltage / Pollution Degree		8 KV / 3	
		Type / Cat. No.	Standard Pack
Terminal Block		CDS6U	50
End Plate		EPCDS6U	25
Mounting Rail (Refer Pg. 136 for details)	CA701	50 m	
	CA701-15	50 m	
	CA501	50 m	
End Clamp (Refer Pg. 137 for details)	CA702	50	
	CA802	50	
Pre Assembled Shorting Link	CA723/2	Imax.: 41 A	100
	CA723/3	41 A	50
	CA723/4	41 A	50
	CA723/5	41 A	50
	CA723/10	41 A	10
Slide Shorting Link	SLS2	Imax.: 41 A	50
	SLS4	41 A	25
Insulated Test Socket	TPSLS	100	
	TPSLSR	100	
	TPSLSY	100	
	TPSLSBU	100	
	TPSLSBK	100	
Switchable Link Assembly	SWCDS	Imax.: 41 A	50
Lock Out Cap	LCCDS	50	
Marking Tags (Refer Pg. 139 for details)	CA509/K8	100	
Screw Driver	SCS0.8/4	Blade size: 0.8 x 4 mm	10

² UL approval expected in December 2011

CDS6U/TS



8 x 82 mm

51.0 mm / 59.2 mm / 56.7 mm

IEC	UL - CSA
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 10.0 mm ²	22 - 6 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 4.0 mm ²	22 - 10 AWG

10 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

630 V	600 V	600 V
41 A	45 A	45 A
0.8 Nm	14 lb-in	14 lb-in



Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	Standard Pack
CDS6U/TS	50
EPCDS6U	25
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA723/2	Imax.: 41 A 100
CA723/3	41 A 50
CA723/4	41 A 50
CA723/5	41 A 50
CA723/10	41 A 10
SLS2	Imax.: 41 A 50
SLS4	41 A 25

TPSLSR	100
TPSLSY	100
TPSLSBU	100
TPSLSBK	100

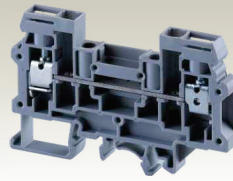
SWCDS	Imax.: 41 A 50
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LCCDS	50
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CA509/K8	100
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SCS0.8/4	Blade size: 0.8 x 4 mm 10
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CDS6U/FT



8 x 82 mm

51.0 mm / 59.2 mm / 56.7 mm

IEC	UL - CSA
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 10.0 mm ²	22 - 6 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 4.0 mm ²	22 - 10 AWG

10 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

1000 V	600 V	600 V
41 A	45 A	45 A
0.8 Nm	14 lb-in	14 lb-in



Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	Standard Pack
CDS6U/FT	50
EPCDS6U	25
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA723/2	Imax.: 41 A 100
CA723/3	41 A 50
CA723/4	41 A 50
CA723/5	41 A 50
CA723/10	41 A 10

TPSLSR	100
TPSLSY	100
TPSLSBU	100
TPSLSBK	100

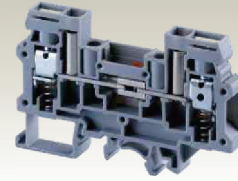
SWCDS	Imax.: 41 A 50
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LCCDS	50
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CA509/K8	100
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SCS0.8/4	Blade size: 0.8 x 4 mm 10
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CDS6U/SC



8 x 82 mm

51.0 mm / 59.2 mm / 56.7 mm

IEC	UL - CSA
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 10.0 mm ²	22 - 6 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 4.0 mm ²	22 - 10 AWG

10 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	600 V	600 V
41 A	45 A	45 A
0.8 Nm	14 lb-in	14 lb-in



Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	Standard Pack
CDS6U/SC	50
EPCDS6U	25
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA723/2	Imax.: 41 A 100
CA723/3	41 A 50
CA723/4	41 A 50
CA723/5	41 A 50
CA723/10	41 A 10
SLS2	Imax.: 41 A 50
SLS4	41 A 25

TPSLSR	100
TPSLSY	100
TPSLSBU	100
TPSLSBK	100

SWCDS	Imax.: 41 A 50
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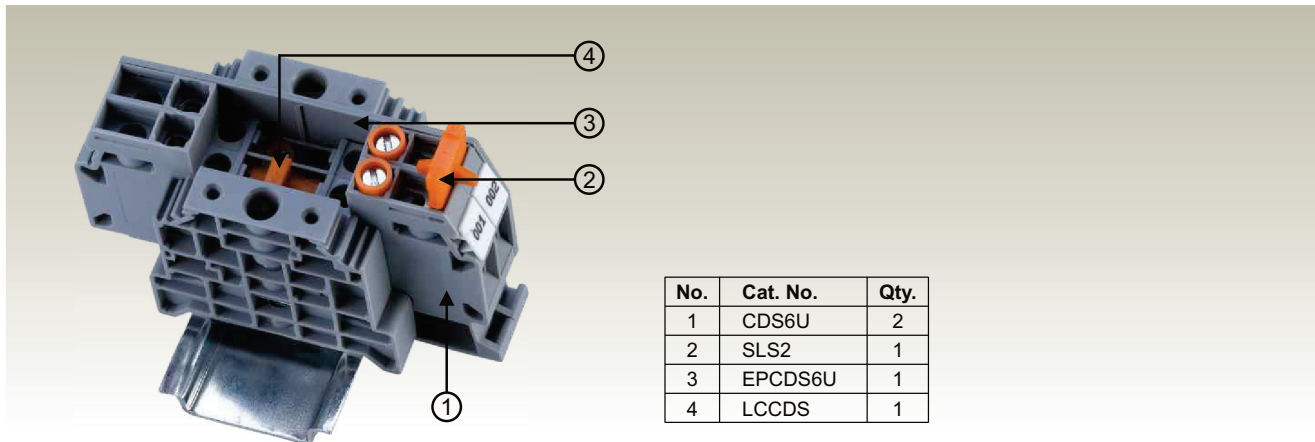
LCCDS	50
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CA509/K8	100
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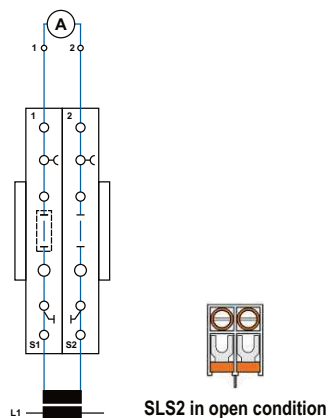
SCS0.8/4	Blade size: 0.8 x 4 mm 10
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² UL approval expected in December 2011

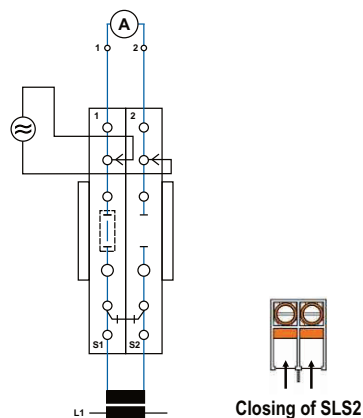
Usage of CDS6U range of products in Simple Current Transformer Test Circuit



Operating status



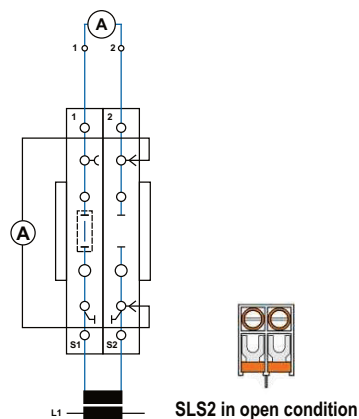
Meter test for L1 through external power supply



Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2.
- 3) Connect external power supply to test sockets of terminals 1 and 2.

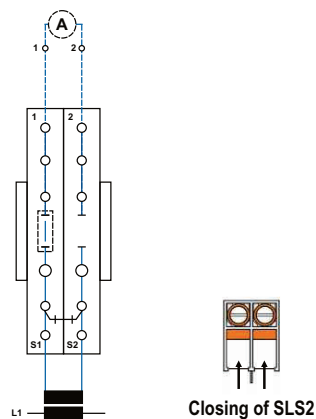
Comparison measurement for L1



Sequence for test :

- 1) Remove SLS2 screw from terminal 2.
- 2) Connect ammeter to test sockets of terminal 2.
- 3) Open disconnect slide link of terminal 2.

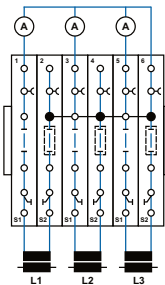
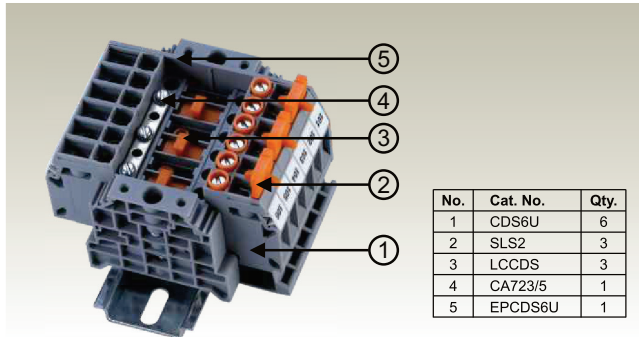
Changing the meter for L1



Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2.
- 3) Disconnect meter for L1 at terminals 1 and 2.

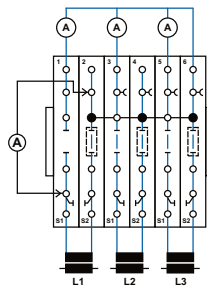
Usage of CDS6U range of products in 3 Phase Current Transformer Test Set



Operating status
(with internal distribution of the k-point)



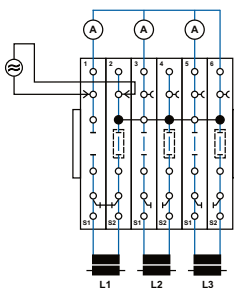
SLS2 in open condition



Comparison measurement for L1

Sequence for test :

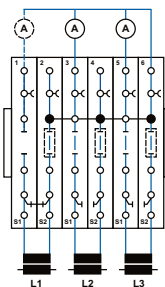
- 1) Remove SLS2 screw from terminal 1.
- 2) Connect ammeter to test sockets of terminal 1 and 2.
- 3) Open disconnect slide link of terminal 1.



Meter test for L1 through external power supply

Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 1.
- 3) Connect external power supply to test sockets of terminals 1 and 2.

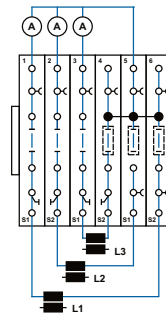
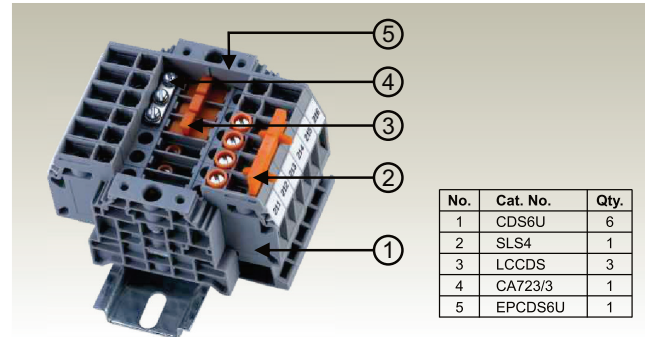


Changing the meter for L1

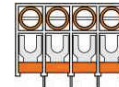
Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 1.
- 3) Disconnect meter for L1.

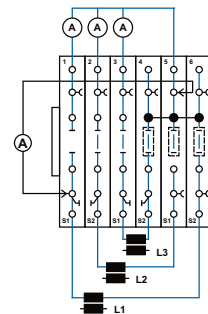
Usage of CDS6U range of products in 3 Phase Linked Current Transformer Test Set



Operating status



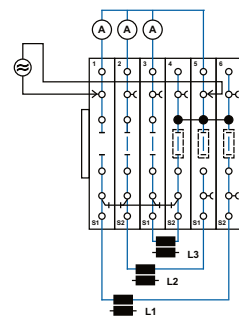
SLS4 in open condition



Comparison measurement for L1

Sequence for test :

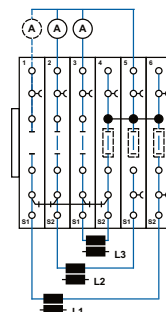
- 1) Remove SLS4 screw from terminal 1.
- 2) Connect ammeter to test sockets of terminal 1 and 5.
- 3) Open disconnect slide link of terminal 1.



Meter test for L1 through external power supply

Sequence for test :

- 1) Close short circuit slide SLS4 of terminals 1, 2, 3 and 4.
- 2) Open disconnect slide link of terminal 1.
- 3) Connect external power supply to test sockets of terminals 1 and 5.

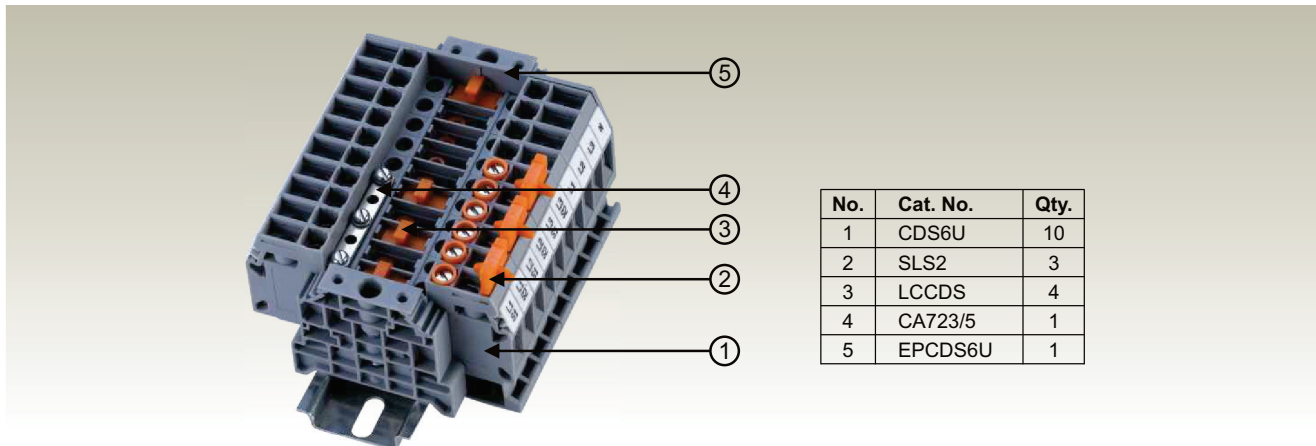


Changing the meter for L1

Sequence for test :

- 1) Close short circuit slide SLS4 of terminals 1, 2, 3 and 4.
- 2) Open disconnect slide link of terminal 1.
- 3) Disconnect meter for L1.

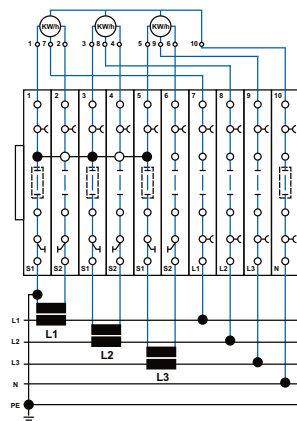
Usage of CDS6U range of products in 3 Phase Power Meter (KWh Meter) Test Set



No.	Cat. No.	Qty.
1	CDS6U	10
2	SLS2	3
3	LCCDS	4
4	CA723/5	1
5	EPCDS6U	1

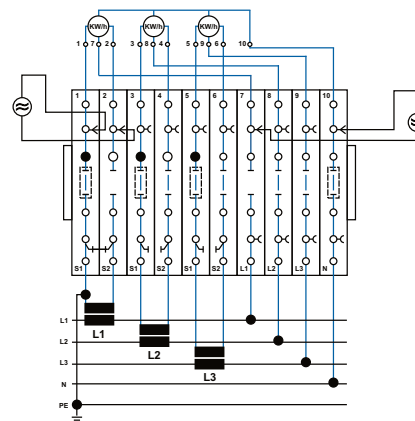
Operating status

(with internal distribution of the k-point)



SLS2 in open condition

Meter test for L1 through external power supply

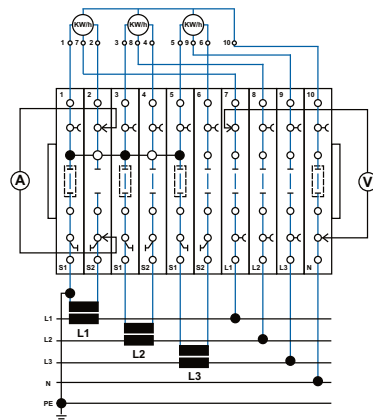


Closing of SLS2

Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2 and 7.
- 3) Connect external power supply to test sockets of terminals 1, 2 and 7, 10.

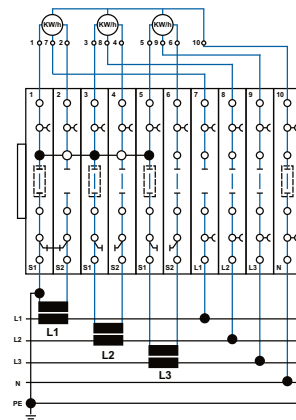
Comparison measurement for L1



Sequence for test :

- 1) Remove SLS2 screw from terminal 2.
- 2) Connect ammeter to test sockets of terminal 2.
- 3) Open disconnect slide link of terminal 2.
- 4) Connect voltmeter to test sockets of terminals 7 and 10.

Changing the meter for L1



Closing of SLS2

Sequence for test :

- 1) Close short circuit slide SLS2 of terminals 1 and 2.
- 2) Open disconnect slide link of terminal 2 and 7.
- 3) Disconnect meter for L1 at terminals 1, 2 and 7.

DISCONNECT & TEST TERMINAL BLOCKS

Width (Thickness) x Length

Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail

Connection Possibility as per

With 1 Conductor per clamp	Stranded / Flexible
	Solid
	with Ferrule / Lug
With 2 same size Conductors per clamp	Stranded / Flexible
	with TWIN Ferrule / Lug

Wire Stripping Length

Ratings As Per

Voltage

Current

Torque

Approvals

Insulation Material / Comparative Tracking Index

Rated Impulse Voltage / Pollution Degree

Terminal Block

End Plate

Mounting Rail (Refer Pg. 136 for details)

End Clamp (Refer Pg. 137 for details)

Pre Assembled Shorting Links	2 pole	
	3 pole	
	4 pole	
	10 pole	

	2 pole	
Insulated	3 pole	
Pre Assembled	4 pole	
Shorting Link	10 pole	

Permanent Shorting Links	2 pole	
	3 pole	
	4 pole	
	10 pole	

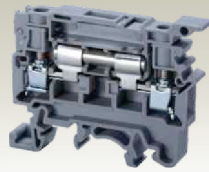
Short Sleeve & Screw for Permanent Shorting Links

Insulated External Shorting Links	2 pole	
	3 pole	
	4 pole	
	10 pole	

Marking Tags (Refer Pg. 139 for details)

Screw Driver

CSDL4U



8 x 58 mm

44.5 mm / 52.0 mm / 49.4 mm

IEC	UL - CSA
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 2.5 mm ²	22 - 12 AWG
0.25 - 2.5 mm ²	22 - 12 AWG

9.5 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

1000 V	600 V	600 V
6.3 A	14 A	14 A
0.5 Nm	7 lb-in	7 lb-in

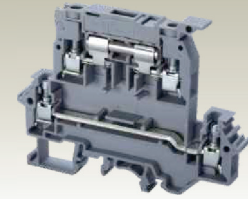


Polyamide 66 / 1

5 KV / 3

Type / Cat. No.	Standard Pack
CSDL4U	100
EPCSF4U	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA711/2	Imax.: 32 A 100
CA711/3	32 A 100
CA711/4	32 A 100
CA711/10	32 A 20
CA509/K8	100
CA509/K2	100
SCS0.6/3.5	Blade size: 0.6 x 3.5 mm 10

DDDL4U



8 x 88 mm

67.4 mm / 74.3 mm / 71.4 mm

IEC	UL - CSA
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 2.5 mm ²	22 - 12 AWG
0.25 - 2.5 mm ²	22 - 12 AWG

9.5 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	600 V	600 V
6.3 A	6.3 A	14 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

5 KV / 3

Type / Cat. No.	Standard Pack
DDDL4U	100
EPDDFL4U	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA729/2	Imax.: 32 A 100
CA729/3	32 A 50
CA729/4	32 A 50
CA729/10	32 A 10
CA749/2	Imax.: 32 A 100
CA749/3	32 A 50
CA749/4	32 A 50
CA749/10	32 A 10
CA703/6	Imax.: 32 A 100
CA704/6	32 A 50
CA705/6	32 A 50
CA737/10	32 A 10
CA707/S/Q/3	100
CA711/2	Imax.: 32 A 100
CA711/3	32 A 100
CA711/4	32 A 100
CA711/10	32 A 20
CA509/K8	100
CA509/K2	100
SCS0.6/3.5	Blade size: 0.6 x 3.5 mm 10