URLS10
10-Pair IDC Terminal Block

■ Outside Plant for
Business-Critical Continuity

Key Features

• No tools required for pair-at-a-time ActCap connections

• IDC termination on all connections for fast, easy termination and jumpering with no wire stripping

• Sealant-filled connectors on the URLS10S provide moisture resistance and longer-life termination for environmentally-challenging installations

• Half-tap capability permits multiple appearances of jumper wire

• Continuity and directional testers provide more complete testing of the circuit

• Variety of frame pair counts and sizes for maximum application and installation flexibility

• Compact size makes URLS ideal for applications where space is limited

• Available installed in cross-connect and building entrance terminals to fit a variety of applications

• UL Listed and CE Marked for documented performance and safety compliance

Description

The URLS10 is an indoor/outdoor 10-pair terminal block for connecting solid copper communications wire. All connections are IDC (insulation displacement connection), made without removing the insulation from the wire. The contact terminals slice through the insulation and create a gas-tight contact at the copper/terminal interface.

Two models are available – the URLS10 for indoor installations, and the sealant-filled URLS10S for use in outdoor or environmentally-challenging installations. Both models are assembled from two primary components – a URLS connector module and a URLS base.

The connector module contains metallic contacts that provide electrical and test connections. Located on the top of the connector module, ten ActCaps guide single-pair cable into proper terminating position, connecting the cable pair to the metallic contacts. Wires are then terminated by pressing down on the ActCap, requiring only a push of the installer's thumb. The ActCaps can terminate 20- through 26-gauge (.4 to .8 mm) conductors. Test results verify that ActCaps can terminate 24-gauge wire more than 250 times with stable, low contact resistance.

The base can terminate 22- through 26-gauge (.4 to .6 mm) conductors. Up to 10 pairs from the incoming cable stub can be terminated on the base using an available termination tool. Wires are cut to the proper length during the termination process. Tools are available for either ten-pair-at-a-time (URLSFIXTURE) or single-wire termination (URLSTOOL1). The single-wire termination tool is perfect for low pair count installations, cable repair, and maintenance.

URLS blocks are molded from glass-filled Valox for long-term performance. Electrical terminals are fabricated from tin-plated phosphor bronze for low contact resistance. The sealant used in the URLS10S protects against corrosion caused by high humidity and salt in street-side and coastal installations.

URLS blocks can be mounted to industry-standard 4.12-in. (10.4 cm) wide mounting frames in a variety of pair counts. Close-pitch frames are available for higher terminal density. Rod mount kits are also available.

Application

These blocks can be used in a variety of indoor and outdoor distribution, cross-connect, and building entrance applications. The URLS10 is designed for copper wire terminals and cross connect systems throughout the communications network. It is ideal for use in outdoor remote electronic equipment enclosures with limited space for wire termination.

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URLS10 10-Pair IDC Terminal Block

Figure 1: URLS Block

a) Single Pair Tester
b) Single Pair URLS Half Tap
c) Single Pair Disconnect Plug
d) Red Special Service Cap
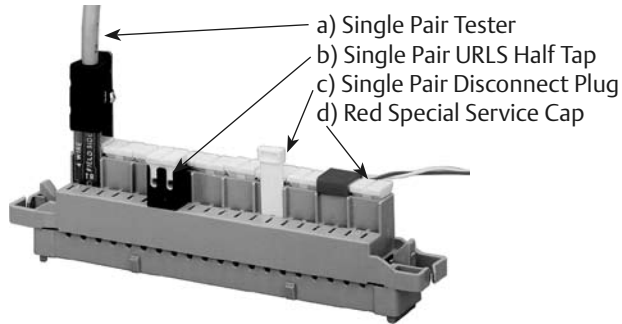
Figure 2: Connector Module and Base

ActCap
Incoming Wire
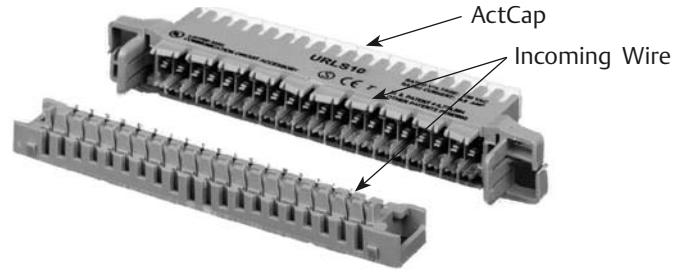
Ordering Information & Dimensions

Catalog Number	Part Number	Description	H	W	D
URLS10	F800799	10-pair URLS IDC terminal block	31.75mm (1.25-in.)	129.29mm (5.09-in.)	16.51mm (0.65-in.)
URLS10S	F800800	10-pair URLS IDC terminal block w/sealant	31.75mm (1.25-in.)	129.29mm (5.09-in.)	16.51mm (0.65-in.)

NOTE: Dimensions with base assembly installed.

Accessories

Catalog Number	Part Number	Description	Fig.
URLS1TEST1M	F800801	Single-pair (continuity-bridge) tester w/one-meter test cord 2 wire # 6 Ring term (Fig. 2)	1a
URLS2TEST1M	F800802	Single-pair break tester w/one meter test cord 4 wire # 6 Ring term (Fig. 2)	1a
URLSHALFTAP	F800804	Single-pair URLS half-tap, 10/pkg. (Fig. 2)	1b
URLSHALFTAP10S	F800572	Single-pair URLS half-tap with sealant, 10/pkg. (Fig. 2)	1b
URLSDISCPLUG1	F800803	Single-pair disconnect plug, 100/pkg. (Fig. 2)	1c
URLSDISCPLUG10	F596092	10-pair disconnect plug 10/pkg.	1c
URLSTOOL1	F1001087	Single-wire incoming cable grooming and terminating tool	
URLS10TERMFM	F800569	10-pair incoming frame mount cable grooming and terminating tool	
RLSBBIDENT1800B	F017865	Pair identification plugs for 1-1800 pairs (Blue)	
RLSBBIDENT1800G	F017866	Pair identification plugs for 1-1800 pairs (Green)	
RLSFRAME50	F607095	Metal frame for mounting up to five URLS 10-pair blocks (50 pair)	
RLSFRAME60	F017809	Metal frame for mounting up to six URLS 10-pair blocks (60 pair)	
URLS10TERMRM	F1002830	10-pair feeder termination tool rod mount	
URLSCAPRED	F800568	Special service caps (Red) 100/pkg.	1d

NOTE: Rear mounted protection cartridge for overvoltage protection available soon. Contact customer service.

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RLS Series
IDC Terminal Block

Key Features

• No special tools required for ease of installation

• Silicone grease-filled connectors provide moisture resistance and longer life termination

• Pair-at-a-time IDC termination allows fast, easy jumpering with no wire stripping

• Half-tap capability permits multiple appearances of jumper wire

• Variety of harness lengths and connectors for ease of use and consistency with telco standards

• Available installed in cross-connect and building entrance terminals to fit a variety of applications

• Designed to meet Telcordia 1195 specifications to ensure reliable performance

Description

The RLS Series blocks consist of compact, IDC (insulation displacement connection) wire connectors, which provide fast, easy connection of 22 to 26 gauge (.4 to .6 mm) wire. Each connector is silicone-grease filled with tin-plated terminals, providing maximum environmental protection for terminated pairs.

The RLS Series includes blocks for 2 to 50-pairs. Pair-at-a-time wire termination is accomplished by lifting the RLS activator, inserting a pair of unstripped wires into the appropriate slots on the activator, and pressing firmly down on the activator.

The 2 and 5-pair blocks are internally wired, with RLS input and output. The 10, 25, and 50-pair blocks are potted on the rear side of the block, and are available in a variety of harness lengths, with or without connectors.

Application

The RLS family of blocks is a flexible terminal block that can be employed in a wide variety of cross-connect or building entrance applications. These blocks are ideal for outdoor use.
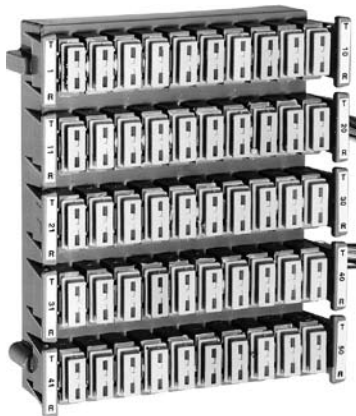
RLS50

Wires Inserted into RLS Activator

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RLS Series IDC Terminal Block

Dimensions

Catalog Number	H	W	D
RLS2X2	1.06-in. (2.69 cm)	2.66-in. (6.76 cm)	1.50-in. (3.81 cm)
RLS5X5	1.06-in. (2.69 cm)	5.50-in. (13.97 cm)	1.50-in. (3.81 cm)
RLS10	1.06-in. (2.69 cm)	5.50-in. (13.97 cm)	1.50-in. (3.81 cm)
RLS25	5.38-in. (13.67 cm)	2.88-in. (7.32 cm)	1.50-in. (3.81 cm)
RLS50	5.68-in. (13.67 cm)	5.06-in. (12.85 cm)	1.50-in. (3.81 cm)

RLS2X2

Ordering Information

Catalog Number	Part Number	Pair Count	Input	Description
RLS2X2*	F016996	2	RLS IDC	Internally wired unit
RLS5X5*	F016998	5	RLS IDC	Internally wired unit
RLS10	F016997	10	26 AWG harness	Equipped with 5.5-ft. (1.68 m) harness
RLS25	F017812	25	26 AWG harness	Equipped with 2.5-ft. (0.76 m) harness
RLS254	F001095	25	26 AWG harness	Equipped with 4-ft. (1.21 m) harness & 3M® 4005-DPM connector
RLS25DPM	F017814	25	MS2	Equipped with 6-ft. (1.82 m) harness & 3M® 4005-DPM connector
RLS255DPM	F005313	25	MS2	Equipped with 5-ft. (1.52 m) harness & 3M® 4005-DPM connector
RLS25CF	F005315	25	710	Equipped with 6-ft. (1.82 m) harness & 710 connector
RLS50	F016950	50	26 AWG harness	Equipped with 7-ft. (2.13 m) harness
RLS50DPM	F016945	50	MS2	Equipped with 6-ft. (1.82 m) harness & 3M® 4005-DPM connectors
RLS507FT3M4005	F003043	50	MS2	Equipped with 7-ft. (2.13 m) harness & 3M® 4005-DPM connectors
RLS507FT3M4000	F003044	50	MS2	Equipped with 7-ft. (2.13 m) harness & 3M® 4000-D connectors
RLS50CBM6	F016941	50	MS2	Equipped with 6-ft. (1.82 m) harness & 3M® 4005-CBM connectors
RLS50PVC20	F300300	50	26 AWG stub	Equipped with 20-ft. (6.09 m) PVC-sheathed cable stub

* With the exception of the RLS2X2 and RLS5X5, when used in cross-connect applications, the input termination style listed refers to the feeder side termination. The output termination style would, of course, be reserved for the distribution side.

NOTE: For other harness lengths and/or connector types, please contact your Emerson customer service representative.

Accessories

Catalog Number	Part Number	Description
RLSACTGRAY10	F567272	Gray replacement activators, 10/pkg.
P71082	F571082	Red RLS activators, 5/pkg.
RLSTEST1	F019128	1-pair tester with 5-ft. leads & ring terminals for RLS and 3M® SS-25
RLSTEST1PKT	F019127	1-pair pocket tester w/ring terminals for RLS and 3M® SS-25
TS50RLS1S	F019139	50-pair stackable test shoe for RLS50 w/carrying case
P53828	F553828	Red special service caps, 30/pkg.
P60209	F560209	Half-tap activator, 80/pkg.

NOTE: For testing equipment, tools, labels, and other accessories, please see the Accessories section of this catalog.

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