EPIC[®] LS1 Series Circular Power & Mixed Power Connectors

EPIC[®] LS1 Circular and Mixed Power Connectors are designed to DIN specification EN61984 and have a standard M23 threaded connection housing. They are offered in male coupler, female connector, and male inlet configurations that satisfy simple cable-to-cable and cable-to-machine requirements. They are ideal for power transmission and servo drive applications in the plastics, printing, analytical instrument, robotic, machine tool industries, and any other industrial or commercial application where a compact connector with high voltage and current capability is required.

800-774-3539 www.lappusa.com



EPIC® LS1 Series Circular Power & Mixed Power Connectors

Equipment Description

EPIC[®] LS1 Connectors are available in five housing arrangements and two contact configurations. Common to all arrangements are a rugged nickel plated zinc body, plastic contact insulation body and sleeve, and gold plated electrical contacts (included with the connector part number). Cable mounted arrangements also include an integral EMC shield ring and cable clamp and seal. The figure to the right shows the general construction of these connectors.

These connectors are offered with a 5+PE contact configuration for power distribution (5 contacts plus ground rated at 630 volts and 22 amps), and a 3+PE+4 contact configuration for mixed power and signal requirements for servo motor with brake and feedback applications (3 contacts plus ground rated 630 volts and 22 amps and 4 contacts rated 250 volts and 7 amps). Used in combination, they connect one flexible cable with another (cable coupler) or one flexible cable to fixed wiring on a machine (appliance coupler).

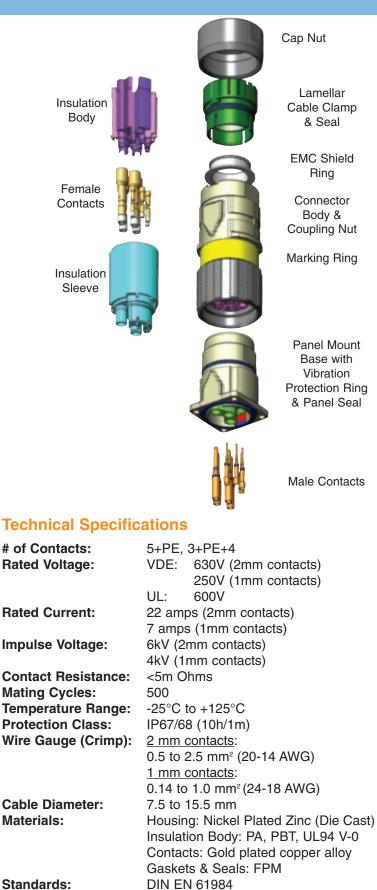
Features & Benefits

The new EPIC[®] LS1 connectors have many inherent features which offer application advantages and provide significant benefits. These features make it one on the most application friendly connectors available, and insure quick and easy assembly, high reliability, and long, uninterrupted service life in tough industrial environments.

Key features include:

- Rugged nickel-plated, die-cast zinc body
- Positive vibration protection for use with motor drives and moving assemblies
- Integral EMC cable gland provides strain-relief, IP67/68 protection, and 360° shielding
- Identification marking field and optional color marking clips can be used to provide positive identification and visual differentiation in multiple connector installations.







Approvals:

800-774-3539 • www.lappusa.com

EPIC® LS1 Series Circular Power

5+PE

Male Insert

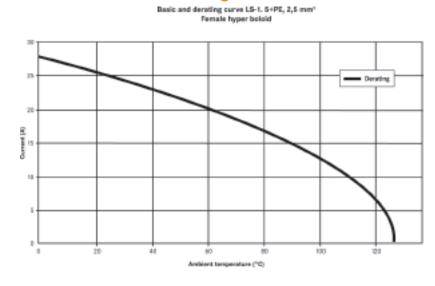






View from contact side

Derating Curve



Wire Gauge	Max. Current (A) According to UL		
2mm Contacts	5+PE	3+PE+4	
AWG 14	22	22	
AWG 18	13	13	
AWG 20	9	9	
AWG 22	5	5	
1mm Contacts			
AWG 18	-	7	
up to AWG 26	-	1	

STRAIGHT PANEL MOUNT INLET WITH MALE CONTACTS (STYLE A1)

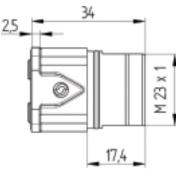
5+PE

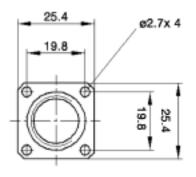
76.003000





76.004000





19,8 0 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8 0 29 +02 19,8

Male Contacts (Spare Parts)

	• •	,
Part #	Description	Pack Size
74.033001	0.14 - 1.0 mm ²	10
74.033000	0.14 - 1.0 mm ²	100
74.033101	0.50 - 2.5 mm ²	10
74.033100	0.50 - 2.5 mm ²	100

2

View from contact side

3+PE+4

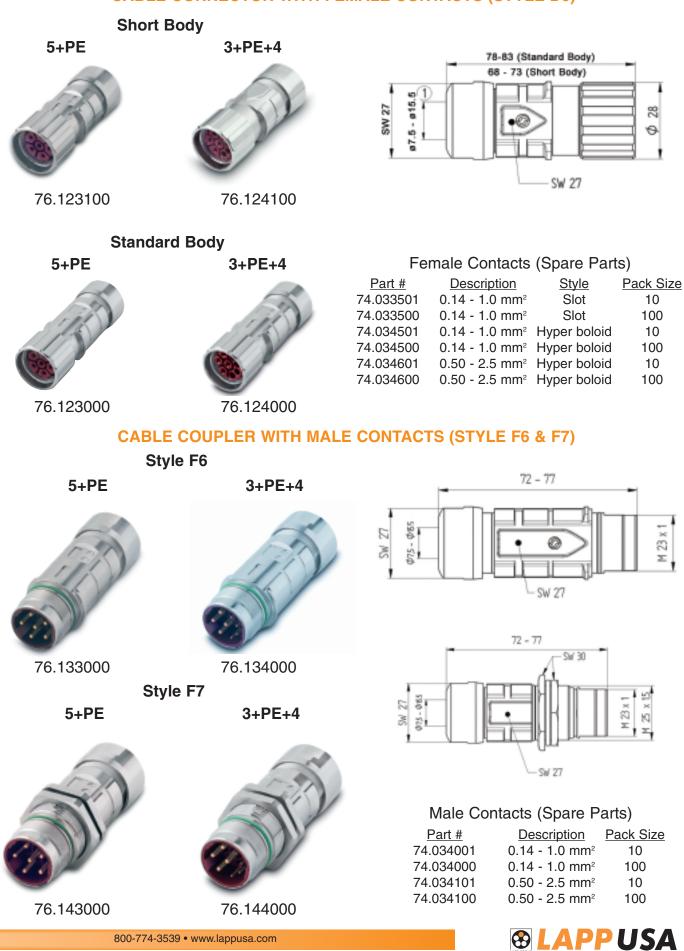
Female Insert

Male Insert

800-774-3539 • www.lappusa.com

& Mixed Power Connectors

CABLE CONNECTOR WITH FEMALE CONTACTS (STYLE D6)



TOOLS & ACCESSORIES







Crimp Tool 0.14 - 6.0 mm² 11.1480

Locator 11.1483

Removal Tool 1mm Contacts: 75.017400 2mm Contacts: 75.017500



Metal Screw Cap Style A1: Style F6, F7:

Yellow Marking

Rings

75.013410

75.018210 75.018310



 Plastic Protection
 Cap

 Style D6:
 75.007710

 Style A1, F6, F7:
 75.007810



Blue Marking Rings 75.013210

Transparent

Marking Rings

75.013010



Green Marking Rings 75.013310

Red Marking

Rings

75.013110



Application with OLFLEX® Servo Cables

Stationary Applications

	Use with LS1 (5+PE)		Use with LS1 (3+PE+4)	
Cable	Part	Conductor	Part	Conductor
Series	Number	Configuration	Number	Configuration
OLFLEX [®] -Servo 709 CY	0038010	16 AWG/4c	0038021	16 AWG/4c + 2pr 19
UL/CSA/CE	0038011	14 AWG/4c	0038022	14 AWG/4c + 2pr 18
OLFLEX®-Servo 700	-	-	0036145	16 AWG/4c + 2pr 19
CE	-	-	0036150	14 AWG/4c + 2pr 19
OLFLEX®-Servo 700 CY	-	-	0036157	16 AWG/4c + 2pr 19
CE	-	-	0036158	14 AWG/4c + 2pr 19
OLFLEX [®] -Servo	0025700	16 AWG/4c	0025715	16 AWG/4c + 1pr 16
LK-SMS-FX5	0025701	14 AWG/4c	0025716	14 AWG/4c + 1 pr16
UL/CSA/VDE/CE				

LARR KABEL STUTONET BEFLEX SERVICED TOO P

LANTKABEL OLFLEXS.SERVO.FO 730CF R ANN & ANN & ANN (S

OLFLEX®-SERVO LK-SMS-FX8

0-FD 755

(E

AWM RI AWM

OLFLESSENO LASINGERS ANN & ANN & ANN OLFLEX®-SERVO LK-INX AWM R AWM @ (E **Continuous Flex Applications**

	Use with LS1 (5+PE)		Use with LS1 (3+PE+4)			
Cable Series	Part Number	Conductor Configuration	Part Number	Conductor Configuration		
OLFLEX [®] -Servo FD 750 P CE	-	-	36245	16 AWG/4c + 2pr 18		
	-	-	36250	14 AWG/4c + 2pr 18		
OLFLEX [®] -Servo FD 750 CP UL/CSA/CE	-	-	32322UL	16 AWG/4c + 2pr 17		
OLFLEX [®] -Servo FD 755 P	-	-	36350	16 AWG/4c + 2pr 18		
CE	-	-	36351	14 AWG/4c + 2pr 18		
OLFLEX [®] -Servo FD 755 CP CE	-	-	36370	16 AWG/4c + 1pr 17		
	-	-	36371	14 AWG/4c + 1pr 17		
	-	-	36360	16 AWG/4c + 2pr 18		
OLFLEX [®] -Servo LK-SMS-FX8	0027724	16 AWG/4c	0027718	16 AWG/4c + 1pr 16		
UL/CSA/VDE/CE	0027725	14 AWG/4c	0027719	14 AWG/4c + 1pr 16		
OLFLEX [®] -Servo LK-INX	-	-	7072404	16 AWG/4c + 2pr 19		
UL/CSA/CE	-	-	7072405	14 AWG/4c + 2pr 18		
800-774-3539 • www.lappusa.com						



The products and specifications set forth in this brochure are subject to change without notice and LAPP USA, Inc. disclaims any and all liability for such variations. LAPP USA, Inc. further disclaims any and all liability for typographical, printing, or production errors or changes affecting the products and/or the specifications.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Epic manufacturer:

Other Similar products are found below :

 44420040 + 73002716
 8701+50101200
 19426500
 10.0340+10.1930+12.9544
 10.0720+10.1710
 10.1130+12.9545
 76123100
 HA4-FK-TE-CH-M

 M20
 44420040 + 73028500
 11161000
 11.1610
 10.4295
 44423220
 44423224
 10.0720
 10.1960
 44420040 + 73002720
 44420037 + 73002720

 72004000 + 73002756
 72004000 + 73018000
 72004000 + 73028500
 73004610
 10.4235
 10.4320
 10.4225
 9198+00022030
 8702+50101200

 10.4265+10.4295+10.4310+10.4320
 44423216
 44423217
 72004000 + 73002740
 24420055 + 73002720
 10.4265+10.4235+10.4200+10.4210

 10.4265+10.4245+10.4200+10.4210
 74020000
 8923+00022030
 10.1970
 10.4275+10.4235+10.4310+10.4320
 10.4401
 10.1950
 10.4210

 10121000+10196000+12954500
 10102000
 10.4265+10.4245+10.4310+10.4320
 10.4265
 44423251
 72004000 + 73002716
 72040010

 8722+00022030
 10.4264
 10.4265
 10.4265
 44423251
 72004000 + 73002716
 72040010