

# **NECTOR S POWER SYSTEM**

The lighting industry is always changing. It is constantly in pursuit of more energy-efficient products with longer life-spans that can be used in different places under different circumstances. TE Connectivity can assist developers, designers and innovators in gaining a head start in this competitive industry. For over 60 years we have worked with lighting industry leaders providing them with strong competitive advantages. Today, with over 500,000 part numbers, we are a leader in passive electronic components. Tomorrow we can apply our expertise to your design and development programs.







TE Connectivity's NECTOR S POWER SYSTEM is a flexible, fully pluggable, modular wiring connectors and cabling solution to meet the lighting industry's need for a compact easy-to-install interconnect solution. This 7.5mm connector can easily fit in an 8mm opening compared to other connectors that require much larger openings. The Nector S Line connector is ideal for applications where a power connection and coupling between lamps are needed.

Whether it's showing you our value-added solutions or designing a new product; our commitment to advanced engineering and world-class manufacturing delivers innovation to advance your lighting project.

#### Target Markets

- Electrical Installation
- Lighting Installation

#### **Applications**

- Lighting
  - Residential; kitchen and bathroom
  - Retail; display, shelves, commercial refrigeration
  - Horticulture; vertical farming
  - Commercial Office; small spot lighting
  - Ship and yacht electrical installation

#### Specifications

	Euro Style	UL Style
• Application:	114-18751	114-20140
• Product:	108-94018	108-20294
• Approvals:	DIN EN IEC 60320 (VDE)	UL 1977

#### **Benefits**

- The smart wiring solution, that can easily fit into smaller 8 mm openings for space saving
- Improves installation efficiency with a plug and play interconnection system
- Ready-made cable assemblies save valuable installation time and ensure high quality performance throughout the full lifetime
- Reliable and globally approved connector system (IEC and UL certified)

# SEEING IS BELIEVING



### Plug-and play principle. It's easy and reliable.

#### Easy. Fast. Compact.

It's our job to make connectors easy to use and fast to implement. The compact NECTOR S Line connector allows you to think freely with your design as its flexibility enables you to move fixtures around product displays for optimum lighting without worrying about any practical implications.

#### **Ready-made Cable Assemblies**

By offering pre-assembled cable systems, TE Connectivity can take away all the hassle in the logistics and manufacturing of these products. Making sure that you can focus on your core competence of designing and delivering lighting equipment. We know the connector system in-and-out and have the right tools to provide you with highly reliable and efficiently produced cable assemblies. The portfolio consists out of the most common standard versions. Additionally, we can offer custom versions tuned to your project needs.

Our connectors can make your lighting visualizations a reality.



- Expand the power system and easily split power for two lamps
- Splitter has the function to switch power
- LEDs can be placed in the series using a splitter

Actual hole size fits a 7.5mm connector

# LIGHTING AS YOU IMAGINED IT



### Flexible solutions with every design.

#### The creative use of light sources

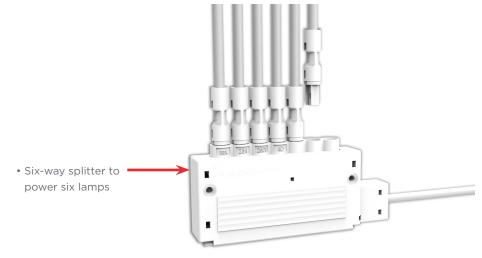
Every interior designer knows what proper lighting can do to a room, a desk or a cabinet. It can set a room's ambiance, tone a wall color, or apply an accent on just the right spot. Your wiring can be just as flexible as your imagination.

#### Just give us 8mm

If you give us an opening as little as 8mm, the NECTOR S Line connector can fit there. You can power your lights just about anywhere: in a cabinet, inside kitchen furniture or in a headboard. The connector is easy to use, fast to implement and small enough to fit almost wherever.

#### It's the little things

The overall atmosphere of any interior lighting design can change because of a 7.5mm connector. Those few millimeters can give you unparalleled freedom to power your lights. Whether it is 250V, 125V or a low voltage, the plug-and-play connector can expand a lighting system beyond its wall outlet.



Actual hole size fits a 7.5mm connector

# SMALL CONNECTORS, OPTIMAL CONNECTIVITY



#### Freedom in energy distribution

# Less use of space, energy, and design equals better lighting installations.

With the development of LEDs, lighting fixtures are now smaller in size and the possibilities of lighting are expanding. The NECTOR S Line connector can power small fixtures that are designed to fit into almost any space.

#### Our connector goes places

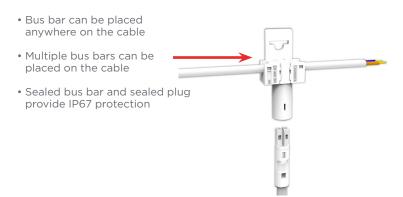
Well balanced lighting inside a refrigerator or freezer system can increase sales. Products are more noticeable, more appealing and consequently they sell better. When you use the NECTOR S Line connector to power the lights inside your current conventionally-lit freezer or refrigerator case, you have the flexibility to quickly and easily change to a new LED lighting system.

#### What you see is what you get

Customers want to take a good look at the products they are about to purchase. Supermarkets and department stores pay close attention to their overall use of lighting to ensure that the products on their shelves are noticeable. New systems are equipped with interior lighting that is optimized. Retrofitting an existing lighting system is a costly operation often not done unless other upgrades are needed.

#### **Upgrade** now

When you use the NECTOR S Line connector to retrofit the lighting inside your current system, you have the opportunity to use the latest in interconnect and lighting technology. Not only will the products on your shelves look and sell better, but your store will look better too!

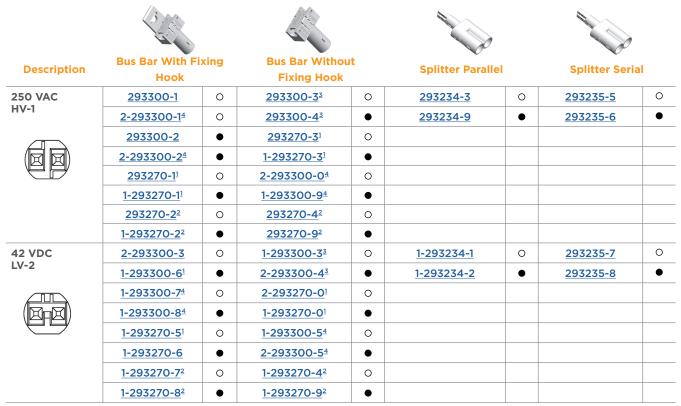


# Loose Piece Components **EURO STYLE**

-0036 F1	ece Componen	ıts	EURU 31	-	. =	Ho	using Color	Black	O White
Description	Outlet Housing (to be us with pin contact)	ed	Pin Contact		Tube H03 VVH2		Ring	Clip	
250 VAC	1740262-1	0			V VII2				
HV-1	1740262-2	•	1740335-1 (unplate	d)	1740260-1	0	174026	\$1_1	
I25 VDC	1740262-3	0	1740335-1 (tin plat		<u>1740260-1</u>	•	174026		•
_V-2	1740262-4	•	-						
Description	Plug Housing (to be use with socket contact)	ed	Socket Contact	t	Tube H03 VVH2		Ring	Clip	1
250 VAC		0							Т
HV-1	1740259-2	•	1740336-1 (unplate	d)	1740260 1		174026	X1 <b>-</b> 1	0
125 VDC		0	1740336-4 (tin plate		•	174026		•	
LV-2	1740259-4	•							
Description	Panel Mount Outlet (to bused with pin contact)		Pin Contact	·	6 Way Distributor Body		Co	ver	
250 VAC	293224-3	0	1740335-1 (unplated)		1740317-1	0			
HV-1	293224-4	•			1740317-3	•	<u>174031</u>	5-1	0
42 VDC	293224-5	0	1740335-4 (tin plate	d)	1-1740317-2	•	7	<u>1740315-2</u>	•
.V-2	293224-6	•			1-1740317-3	0			
	6 Way Distributor Body	У	A						
Description	(switchable, to be used with coding ring		<b>Coding Ring</b>		Cover		IP Boot (to plug an		
250 VAC	<u>1740317-2</u>	0							
HV-1	<u>1740317-4</u>	•	<u>1740316-1</u>		<u>1740315-1</u>	0	2071	284-1	
42 VDC LV-2	1-1740317-4	0	17-40310-1		1740315-2	•	2332	<u>-U-+-1</u>	
-v - <u>c</u>	<u>1-1740317-5</u>	•							
					Tames of the same		Chassi		
Description	Wall Outlet Assembly (inclusive blind boot)	,	Wall Outlet Frame Assembly		Chassis Mount Fra (Panel thickness 0.5 to 1.5mm)		Housing S be used w		(to ssis
250 VAC HV-1 42 VDC LV-2	<u>293285-1</u>	0	293286-1 293286-3	0	<u>293302-1</u>		293	<u>303-1</u>	_

### Standard Components EURO STYLE

Housing Color Black O White



1: through sealed

2 : end sealed

3: through unsealed 4: end unsealed





**Outlet PCB Connector** 

(straight version)







**Plug PCB Connector** (straight version)



version)

HV-1	

250 VAC

**Description** 



<u>293313-1</u>	0	<u>293315-1</u>	0	<u>293308-1</u>	0	<u>293311-1</u>	0
293313-2	•	<u>293315-2</u>	•	<u>293308-2</u>	•	<u>293311-2</u>	•
<u>293313-9</u> <sup>3</sup>	0	<u>293315-6</u> <sup>3</sup>	0				
<u>1-293313-0</u> <sup>3</sup>	•	293315-7 <sup>3</sup>	•				
1-293313-3	0	<u>293315-8</u>	0	<u>293308-7</u>	0	293311-7	0
1-293313-4	•	293315-9	•	293308-8	•	293311-8	•
<u>1-293313-5</u> <sup>3</sup>	0	<u>1-293315-0</u> <sup>3</sup>	0				
<u>1-293313-6</u> <sup>3</sup>	•	<u>1-293315-1</u> <sup>3</sup>	•				

1: through sealed 2: end sealed 3: gold plated contact

# Cable Assembly **EURO STYLE** Cable

Cable Color Black O White

		85	•	<b>-</b>	40			-531		
Description			S Li	ne		S Line		S Line		
Description			Plug to	Outlet	t	Plug to Pigtail		Outlet to Pigtail		
250 VAC		0.5m	1-2083029	<u>9-1</u>	•	1-2083031-1	•	1-2083033-1	•	
HV-1 Max. 2.5 Amp.		1m	1-2083029	9-2	•	1-2083031-2	•	1-2083033-2	•	
		1.5m	1-2083029	9-3	•	1-2083031-3	•	1-2083033-3	•	
		2m	1-2083029	9-4	•	1-2083031-4	•	1-2083033-4	•	
		0.5m	1-2083029	9-5	0	1-2083031-5	0	1-2083033-5	0	
		1m	1-2083029	9-6	0	1-2083031-6	0	1-2083033-6	0	
		1.5m	1-2083029	9-7	0	1-2083031-7	0	1-2083033-7	0	
		2m	1-2083029	9-8	0	1-2083031-8	0	1-2083033-8	0	
42 VDC		0.5m	3-208303	0-1	•	3-2083032-1	•	3-2083034-1	•	
LV-2 Max. 7 Amp.		1m	3-2083030	0-2	•	3-2083032-2	•	3-2083034-2	•	
1.5m		1.5m	3-2083030	0-3	•	3-2083032-3	•	3-2083034-3	•	
		2m	3-2083030	0-4	•	3-2083032-4	•	3-2083034-4	•	
		0.5m	3-2083030	0-5	0	3-2083032-5	0	3-2083034-5	0	
		1m	3-2083030	<del>0-6</del>	0	3-2083032-6	0	3-2083034-6	0	
		1.5m	3-2083030	0-7	0	3-2083032-7	0	3-2083034-7	0	
		2m	3-2083030	<del>8-</del> 0	0	3-2083032-8	0	3-2083034-8	0	
Description		S Line 6 Way Distributor Pigtail				S Line 6 Way distribut Europlug	S Line Outlet to Pigta	S Line Outlet to Pigtail		
250 VAC	1m	1-	2083038-1	•	1.8m	1-2083036-1		• <u>1-2083035-1</u>	•	
HV-1 Max. 2.5 Amp.	1m	1-2	2083038-2	0	1.8m	1-2083036-2		0 1-2083035-2	0	
42 VDC	1m	2-	2083039-1	•						
LV-2 Max. 7 Amp.	1m	2-	2083039-2	0					1	

# Loose Piece Components UL STYLE

Housing Color 

Black 

White



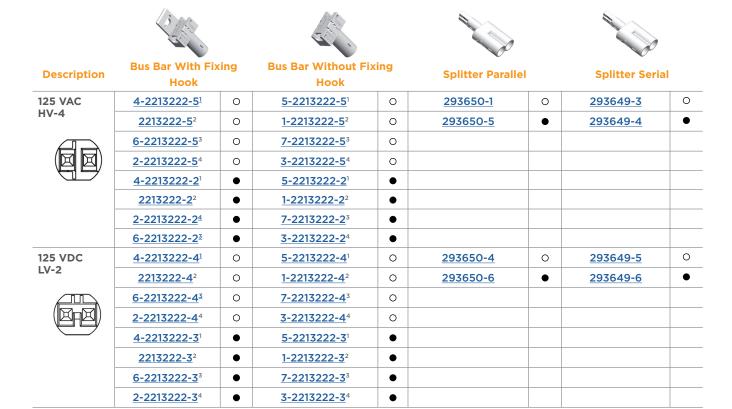
		)		of the state of	INTERIOR DE LA CONTRACTION DEL CONTRACTION DE LA		P		100
Description	Panel Mount Ou (to be used w pin contact)	ith	Pin Contact (tin plated)	Tube SPT-2 Style Cable (alternative for tube SVT)	6 Way Distributor B (switchable, to be u with coding ring	sed	Coding Ring	Cover	
125 VAC	293648-1	0		89-1 <u>293358-1</u>	293651-8	0		<u>293587-1</u> O	
HV-4	293648-3	•	007700 1		293651-9	•	1740710 1		
125 VDC	293648-2	0	<u>293389-1</u>		1-293651-0	0	<u>1740316-1</u>		
LV-2	293648-4	•			1-293651-1	•			

Description	6 Way Distributor Body		Cover	***************************************	Bridge Connector		
125 VAC	<u>293651-5</u> O				293647-2	0	
HV-4	293651-7	•	007507.1		293647-3	•	
125 VDC		0	<u>293647-4</u>	0			
LV-2	<u>293651-6</u>	•			293647-5	•	

The state of the s

# Standard Components UL STYLE

Topic .



							000		
Description	Outlet PCB Conne straight version		Outlet PCB Connect straight angled vers		Plug PCB Connect straight version		Plug PCB Conne- straight angled ve		
125 VAC	<u>293653-3</u>	0	<u>293652-3</u>	0	293655-3	0	293654-3	0	
HV-4	<u>293653-6</u>	•	<u>293652-6</u>	•	<u>293655-6</u>	•	293654-6	•	
125 VDC	<u>293653-5</u>	0	293652-5	0	<u>293655-5</u>	0	293654-5	0	
LV-2	293653-7	•	293652-7	•	293655-7	•	293654-7	•	

1: Through Unsealed 2: Through Sealed 3: End Unsealed 4: End Sealed

# Cable Assemblies **UL STYLE** Cable

Cable assemblies will be made with SPT-2 and SVT cable

Cable Color O White

#### SPT-2

		*(-) (4	-533-			= [5 X 22] ex	
Description		S Line		S Line		S Line	
Description		Plug to Outle	t	Plug to Pigtail		<b>Outlet to Pigtail</b>	
125 VAC	2ft	<u>2181191-1</u>	0	2181194-1	0	2181197-1	0
HV-4 Max. 6 Amp.	4ft	2181191-2	0	<u>2181194-2</u>	0	<u>2181197-2</u>	0
	6ft	2181191-3	0	<u>2181194-3</u>	0	2181197-3	0
	8ft	2181191-4	0	<u>2181194-4</u>	0	2181197-4	0
125 VAC	2ft	<u>2181192-1</u>	0	<u>2181195-1</u>	0	<u>2181198-1</u>	0
LV-2 Max. 7 Amp	4ft	<u>2181192-2</u>	0	<u>2181195-2</u>	0	<u>2181198-2</u>	0
	6ft	2181192-3	0	<u>2181195-3</u>	0	<u>2181198-3</u>	0
	8ft	2181192-4	0	<u>2181195-4</u>	0	<u>2181198-4</u>	0

#### **SVT**

			- <u> </u>			- 1999 - 1999	
Description		S Line		S Line		S Line	
Description		Plug to Outlet	t	Plug to Pigtail		<b>Outlet to Pigtail</b>	
125 VAC	2ft	<u>1-2083072-1</u>	0	<u>1-2083074-1</u>	0	<u>1-2083076-1</u>	0
HV-4 Max. 6 Amp	4ft	1-2083072-2	0	1-2083074-2	0	<u>1-2083076-2</u>	0
	6ft	1-2083072-3	0	1-2083074-3	0	<u>1-2083076-3</u>	0
	8ft	1-2083072-4	0	1-2083074-4	0	<u>1-2083076-4</u>	0
125 VAC	2ft	<u>2-2083073-1</u>	0	<u>2-2083075-1</u>	0	<u>2-2083077-1</u>	0
LV-2 Max. 7 Amp	4ft	<u>2-2083073-2</u>	0	<u>2-2083075-2</u>	0	<u>2-2083077-2</u>	0
	6ft	<u>2-2083073-3</u>	0	2-2083075-3	0	<u>2-2083077-3</u>	0
	8ft	<u>2-2083073-4</u>	0	2-2083075-4	0	2-2083077-4	0

Description		S Line 6 Way Distribut Pigtail	or	S Line 6 Way Distributor to Powerplug				
125 VAC HV-4 Max. 6 Amp.	8ft	1-2368263-1	0	1-2368264-1	0			
125 VDC LV-2 Max. 7 Amp.	8ft	1-2083079-1	0		0			



### **Nector S Application Tools**

Tool Type	Tool Part Number
Benchtop solution:	2101500 1
Terminator + Ocean	2161500-1 with 2151690-1
applicator	Terminator Catalog: <u>2338133-1</u>
(Semi-automatic)	Applicator Catalog: <u>1-1773864-9</u>
Crimp Hand Gripper:	Hand gripper: <u>3-1579004-2</u>
Version 1	Single crimp die set: <u>3-1579021-5</u>
Crimp Hand Gripper:	Hand gripper: <u>2-1579005-1</u>
Version 2	Crimp head: <u>3-1579021-8</u>
Ring Clip Hand Gripper	3-1579002-1
NECTOR S Bus Bar:	0 520441 7
TE hand tool	<u>8-528441-7</u>

#### LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit te.com/industrial to chat with a Product Information Specialist.

#### **Technical Support**

te.com/support-center

#### FOR MORE INFORMATION

nectorpower.com

#### **TE Technical Support Center**

Internet:	te.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-601

Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

#### te.com

© 2020 TE Connectivity. All Rights Reserved.

NECTOR, TE, TE Connectivity and the TE connectivity (logo) are trademarks of the TE Connectivity. Other logos, product and Company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

<sup>\*</sup>as defined www.te.com/leadfree

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Lighting Connectors category:

Click to view products by TE Connectivity manufacturer:

Other Similar products are found below:

293300-7 293660-5 CNX\_H03\_NTP 30-9767-BU 3605 3-21030-1 ZCH-110-RGB-I 503471-0290 ZCH-110-RGB-J 217-0716-200

1954563-1 1-293657-2 2834036-1 2834037-1 1-2213222-4 2-2213222-4 2213222-4 2834122-3 2834122-5 2834135-2 FLA-R4142-30

FLA-R4162-30 FLA-R2142-30 FLA-R2141-30 FLA-R2162-30 FLA-R2161-30 FLA-R0161-30 FLA-R0141-30 FLA-R0142-30 FLA-R0162-30 FLA-C00-00 DGA00010553 CNXV04NTP 104128-0610 503485-0000 (Cut Strip) 503485-0000 (Loose Piece) 503485-0000

(MINI Reel) 1-2834074-2 1-2834074-3 1357-AC PLUG W2C (CHINA) 1357-AC PLUG W2 (USA) 104266-0110 CNXV02NTP 2106212-1 2-2834074-2 104266-0210 293470-1 293651-2 293651-4 1-2834006-2