



SUBCON Varioface Series Interface Converters



2761499



PHOENIX CONTACT's SUBCON product provides a means to make D-SUB cable assemblies without the hassle of soldering or crimping. The SUBCON product provides connection from the pins of a D-SUB connector to individual screw actuated terminal blocks all in a D-SUB clamshell housing. This means that the only tool required to configure a cable is a screwdriver.

Features:

- ▶ Metallized Housing
- ▶ Integral Jack Screws
- ▶ Integral Strain Relief
- ▶ D-SUB to MKDSC 1.5 Terminal Blocks
- ▶ 9/25 Pin Male or Female Versions
- ▶ Max. Cable Diameter: 10 mm; AWG 26-14

Benefits:

- ▶ EMI/RFI Shielded (Ideal for Sensitive Communication Signals)
- ▶ Secure Connection of Cable Assembly to Mating Receptacle
- ▶ Secure Connection of SUBCON to Cable
- ▶ Easy Means to Construct Cable Assemblies; No More Soldering or Crimping; Wide Range of Product to Suit Common Applications

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0044	2761499	SUBCON 9/F-SH	Socket, 9-Position Pin, 9-Position	46.08
909-0045	2761509	SUBCON 9/M-SH	Socket, 9-Position Pin, 9-Position	46.08
909-0448	2761596	SUBCON 15/F-SH	Socket, 15-Position Pin, 15-Position	39.77
909-0449	2761606	SUBCON 15/M-SH	Socket, 15-Position Pin, 15-Position	39.77
909-0450	5604603	SUBCON 15 HD/F-SH	Socket, 15-Position — High-Density Pin, 15-Position — High-Density	43.87
909-0451	5604602	SUBCON 15 HD/M-SH	Socket, 15-Position — High-Density Pin, 15-Position — High-Density	43.87
909-0046	2761619	SUBCON 25/F-SH	Socket, 25-Position Pin, 25-Position	51.68
909-0047	2761622	SUBCON 25/M-SH	Socket, 25-Position Pin, 25-Position	47.70
909-0452	2300986	SUBCON 37/F-SH	Socket, 37-Position Pin, 37-Position	60.17
909-0453	2300973	SUBCON 37/M-SH	Socket, 37-Position Pin, 37-Position	60.17
909-0454	2708232	SUBCON-PLUS-PROFIB/SC2	Profibus Connector, up to 12 Mbps, Angled Version, Integrated terminating Resistor that connected externally	36.35
909-0455	2708245	SUBCON-PLUS-PROFIB/PGSC2	Same as above but with additional PG SUB-D Female Connector for the Connection of Programming Device	41.93
909-0456	2744380	SUBCON-PLUS-PROFIB/AX/SC	Profibus Connector, up to 12 Mbps, Axial Version, Integrated terminating Resistor that connected externally	36.35

Interface Products and Surge Protection

Interface Isolator — RS-232/RS232



The RS-232 interface is an asymmetrical voltage interface (common signal earth for all signals). In addition to a very low signal output, the interface is characterized by the signal earth being connected to the ground chassis housing. The consequence is very low interference resistance and a range of a maximum of 15 m. A considerable increase in the interference-resistance in industrial applications can be achieved by the use of RS-232 isolator modules. The high-grade 3-way isolation between both interface sides, supply and ground potentials provide a floating and interference-resistant RS-232 interface. The positive side-effect: The expensive terminal equipment is also protected from damage by this decoupling.

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0041	2744461	PSM-ME-RS 232/RS232-P	Converter; Rail; Serial	305.91

Interface Converter — RS232/RS485



2744416

The RS-485 standard is used when more than two participants have to communicate. Converting the point-to-point interface, RS-232 to the bus-capable RS-485 standard makes it possible to network up to 32 terminals via a 2- or 4-wire line.

The Following Tasks Can Be Solved with this Converter:

- ▶ Coupling an RS-232 Master Interface to an RS-485 Bus System
- ▶ Integrating an RS-232 Terminal in an RS-485 Bus System
- ▶ Networking of Up to 32 RS-232 Interfaces Via the RS-485 Standard (Provided They Can Be Addressed)
- ▶ Setting Up a Temporary Programming and Parameterizing Link Between PC and PLC or Drive Regulators, for Example, with an RS-485 Connection

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0039	2744416	PSM-ME-RS 232/RS485-P	Control Cabinet Interface Module, 22.5 mm Housing	305.91

INDUSTRIAL CONTROL

AC Power Surge Protection

Complete offering of surge protection for Remote Sites, Service Entrance, Sub Panels and Cabinet Controls.

Remote Site Surge Protection

Locations away from main facilities exposed to large surge currents such as lightning strikes. Available in NEMA 4 indoor/outdoor enclosure and stainless steel for corrosive environments. Includes remote monitoring and lights.

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0185	5602201	SYS N4/I FT-CT-VAL 480/277	Surge Protection for 480/244 VAC 3-Phase	3058.21
909-0194	5602746	SYS N4X/I FT-CT-VAL 480/277	Surge Protection for 480/244 VAC 3-Phase-Stainless Steel	3639.77
909-0189	5603420	SYS N4/I FT-CT-VAL 480 DELTA	Surge Protection for 480 VAC 3-Phase Underground Delta	3059.09
909-0198	5603421	SYS N4X/I FT-CT-VAL 480 DELTA	Surge Protection for 480 VAC 3-Phase Underground Delta-Stainless Steel	3639.77
909-0186	5602202	SYS N4/I FT-CT-VAL 208/120	Surge Protection for 208/120 VAC 3-Phase	3059.09
909-0195	5602747	SYS N4X/I FT-CT-VAL 208/120	Surge Protection for 208/120 VAC 3-Phase-Stainless Steel	3639.77
909-0187	5603416	SYS N4/I FT-CT-VAL 240/120	Surge Protection for 240/120 VAC Split Single-Phase	2353.66
909-0196	5603417	SYS N4X/I FT-CT-VAL 240/120	Surge Protection for 240/120 VAC Split Single-Phase-Stainless Steel	2675.78



5602201



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Service Entrance Surge Protection

Blocks surges entering the facility from the feed from the utility. Exposed to large surge line follow currents. Includes surge counter, audible alarm and remote monitoring.

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0631	2804092	VAL-SQ SE 200-277/480Y/FM	Surge Protection for 277/480 VAC Wye, 3-Phase	2800.00
909-0632	2804160	VAL-SQ SE 200-480D/FM	Surge Protection for 480 VAC Delta, 3-Phase	2800.00
909-0633	2803933	VAL-SQ SE 200-120/208Y/FM	Surge Protection for 120/208 VAC Wye, 3-Phase	2800.00
909-0634	2804047	VAL-SQ SE 200-120/240S/FM	Surge Protection for 120/240 VAC, Split-Phase	2800.00

Sub Panel Surge Protection

Internally generated surges, such as those from motors, drives, and compressors are prevented from traveling throughout your facility and damaging sensitive equipment. Provides cascade protection, when used with service entrance protection. Includes audible alarm and remote monitoring.

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0635	2804063	VAL-SQ SP 120-277/470Y/FM	Surge Protection for 277/480 VAC Wye, 3-Phase	1250.00
909-0636	2803904	VAL-SQ SP 120-120/208Y/FM	Surge Protection for 120/208 VAC Wye, 3-Phase	1250.00
909-0637	2804018	VAL-SQ SP 120-120/240S/FM	Surge Protection for 120/240 VAC Split-Phase	1250.00



2804063



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Control Cabinet Surge Protection

Prevents surges from damaging sensitive equipment controlling critical processes. The protection can be mounted externally to the cabinet or internally on the DIN rail. Available in single- and 3-phase.

Stock No.	Mfr.'s Type	Phoenix No.	Description	EACH
909-0638	2803881	VAL-SQ CC 40-120/208	Surge Protection for 120/208 VAC Wye, 3-Phase — Externally Mounted	660.00
909-0343	2859453	VAL-CP-3S-175	Surge Protection for 120/208 VAC Wye, 3-Phase — DIN Rail Mounted — Hot Swappable Plus Remote Monitoring	301.79
909-0639	2803991	VAL-SQ CC 40-120/240S	Surge Protection for 120/240 VAC, Split-Phase — DIN Rail Mounted — Externally Mounted	660.00
909-0349	2859482	VAL-CP-2C-175	Surge Protection for 120/240 VAC, Split-Phase — DIN Rail Mounted — Hot Swappable Plus Remote Monitoring	167.93
809-0633	2856812	PT2-PE/S-120AC	Surge Protection for 120 VAC, Single-Phase — DIN Rail Mounted — Hot Swappable Plus Remote Monitoring	119.76
909-0217	2858357	PT2-PE/S-230AC	Surge Protection fro 230 VAC, Single-Phase — DIN Rail Mounted — Hot Swappable Plus Remote Monitoring	121.54