



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Triax	1
Locking system	Push-pull
Size	1E
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-1e-650-ctmpv.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Technical details

Electrical Configuration

Nb of contacts Triax	1
Insert configuration value	1E.650 - 1 Triax (50 Ohm)
Insulator	T: PTFE
Rated current	6 A
Impedance	50 Ohms
VSWR	$1.01 + 0.17 * f/\text{GHz}$
Vtest	1200 V (AC), 1690 V (DC)
Cable type	RGT 178, RGT 174, Belden 9222

Form & Material

Shell style / Model id	SWH - Fixed coupler, nut fixing, watertight or vacuum-tight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	Circular, female
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	43.97 g

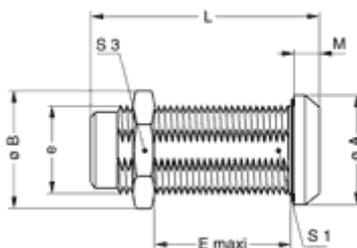
https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-1e-650-ctmpv.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatic Category	20/80/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Pressure	60 bars
R leak (He) (max)	10 ⁻⁷ mbar·l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
mm.	20	21.5	M16x1.0	30.5	47	4.5	14.5	19
in.	0.79	0.85		1.2	1.85	0.18	0.57	0.75

Recommended By Lemo

Accessories

Compatible cap [BRE.1K.200.NAS](#)

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-1e-650-ctmpv.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.