External Hinged Interfaces

Sumitomo Connector



Technical Characteristics	
Conforms to	CE Mark to the low voltage directive
	RoHS Compliant to 2011/65/EU

Conforms with end of life vehicle directive (ELV) EU200/53/EC

Approvals and Standards	(E ROHS			
Degree of mechanical protection	Medium			
Degree of protection	IP40 - Hinged fittings			
UV protection	Very High (Black)			
Finish	Black (BL) only			
Application	Single junction, straight and 90° elbow fittings providing high integrity connections between Sumitomo connectors and Harnessflex conduit systems. These fittings are designed to snap together over all types of slit and un-slit conduit thus maintaining maximum conduit bore. In addition, 90° elbow versions allow the conduit to swivel 360° around the connector housing, sufficient to avoid the problems associated with one piece interfaces of over flexing due to movement or vibration.			
Normal operating temperature range	Minimum Temperature Maximum Temperature			
	- 40°C +120°C			
For use with - Conduit range	For use with all Conduits in the <u>Harnessflex</u> range			
Fire performance	Self Extinguishing, Low smoke toxicity & Halogen Free			

Chemical resistance & Storage data	Click or See page 3
Type of material	Polyamide (Nylon) PA 66 - heat and UV stabilised

Image





CMG House - Station Road - Coleshill - B46 1HT - United Kingdom Tel: +44(0)1675 468 222 - Fax: +44(0)1675 464 930





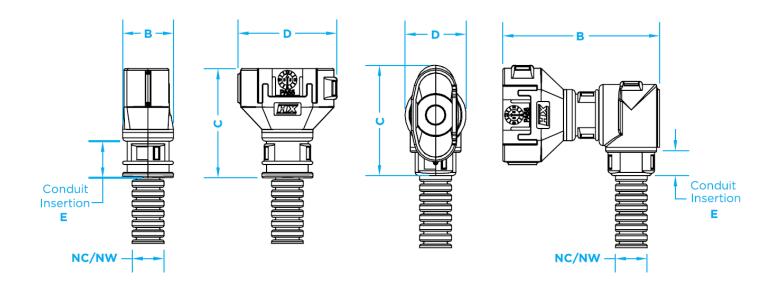
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Dimensional Data & Part Number Configuration

Part Number	Connector	Conduit Sizes		Nominal Dimensions (mm)			
		NC	NW	В	С	D	E
CI08-SU4	4 Way	08	7.5	16.2	29.4	35.0	12.3
CI08-90-SU4	4 Way	08	7.5	48.2	19.6	34.4	7.3



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Chemical Resistance Chart

	Astm No.1	Diesel oil	Methyl Bromide	Sulphur Dioxide (Gas)
	Astm No.2	Diethylamine	MEK	Sulphuric Acid (10%)
Key:	Astm No.3	Ethanol	Nitric Acid (10%)	Sulphuric Acid (70%)
	Acetic Acid (10%)	Ether	Nitric Acid (70%)	Toluene
Suitable :	Acetone	Ethylamine	Oxalic Acid	Transformer Oil
	Aluminium Chloride	Ethylene Glycol	Ozone (Gas)	1,1,1-Trichloroethane
Limited Suitability:	Aniline	Ethyl Ethanoate	Paraffin oil	Trichloroethylene
•	Benzaldehyde	Freon 32	Petrol	Turpentine
Unsuitable :	Benzene	Hydrochloric Acid (10%)	Phenol	Vegetable Oil
_	Carbon tetrachloride	Hydrochloric Acid (36%)	Sea Water	Vinyl Acetate
Not Tested :	Chlorine water	Hydrogen Peroxide (35%)	Silver Nitrate	Water
	Chloroform	Hydrogen Peroxide (87%)	Skydrol	White Spirit
	Citric Acid	Lactic Acid	Sodium Chloride	Zinc Chloride
	Opper Sulphate	Lubricating oil	Sodium Hydroxide (10%)	
	Cresol	Methanol	Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

Storage Guidelines

To maintain balanced moisture content, Harnessflex recommends storing products under the following conditions:

Storage temp. Installation temp. Rel. humidity 18°C to 30°C >18°C >30%

If products from an outside environment are brought into a heated processing area, the change in climate may suddenly cause temporary de-moisturisation around the edges. After 24 hours in the processing area a natural balance will be restored.

Observing this storage recommendation ensures optimum process-ability and material properties.

