Encapsulated Gages (KHCX, KHCV, KHCR, KHCS, KHCM, and KHC)

The specifications on this page are the reference values and may be changed on operating conditions.

· · · · ·	is page are the reference values a		ons (mm)	
Patterns, Gage Resistance, Gage Factor	Models	Gage length	Flange	Remarks
			Length Widt	
950°C (Static/dynamic) ●KHCX Encapsulated Gage	Resistance: 120Ω Gage factor (950°C Recommerded amplifier: UCAM-550A		/laterial: NCF 60	00
Uniaxial, 2-element,	Installation Method and Operating Temperature	Spot welding,	-196 to 950°C	:
cemperature-compensation type	The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached.			
*The above picture is KHCX-10-120-G13-11 C2MV.	KHCX-10-120-G13-11 C2MV KHCX-10-120-G13-13 C2MV	10	20 3	Min. radius of curvature R75
800°C (Dynamic)	Resistance: 120Ω Gage factor (800°C	C): Approx. 1.2 N	/laterial: NCF 60	00
• KHCV Encapsulated Gage Jniaxial, 1-element	Installation Method and Spot welding, 25 to 800°C			
	The following models are delivered pre-attached.	with MI cable 2	m long and sof	-
	KHCV-5-120-G17 C2MV	5	10 3	Min. radius of curvature R15
750°C (Static/dynamic) • KHCR Encapsulated Gage Uniaxial, 2-element,	Resistance: 120Ω Gage factor (750°C Installation Method and Operating Temperature	Spot welding,	25 to 750°C	
emperature-compensation type	The following models are delivered pre-attached.	with MI cable 2	m long and sof	t cable 0.5 m long
	KHCR-5-120-G16-11 C2MV KHCR-5-120-G16-13 C2MV	5	10 3	Min. radius of curvature R15
*The above picture is KHCR-5-120-G16-11 C2MV.	KHCR-5-120-G16-16 C2MV			curvature RT5
750°C (Static/dynamic) ●KHCS Encapsulated Gages	Resistance: 120Ω Gage factor (750°0 Installation Method and	C): Approx. 1.7 M Spot welding,		
CE	Operating Temperature	, 5		
Jniaxial, 2-element, emperature-compensation type	The following models are delivered pre-attached.	with MI cable 2	m long and sof	t cable 0.5 m long
*The above picture is KHCS-10-120-G12B-11 C2MV.	KHCS-10-120-G12B-11 C2MV KHCS-10-120-G12B-13 C2MV KHCS-10-120-G12B-16 C2MV	10	20 3	Min. radius of curvature R20
650°C (Static/dynamic) ●KHCM Encapsulated Gages Jniaxial, 2-element,		Spot welding,	–196 to 650°0	2
temperature-compensation type Resistance: 120Ω Gage factor (650°C): Approx. 1.8 for gage length 10 mm Approx. 1.4 for gage length 5 mm Material: NCF 600	The following models are delivered with MI cable 2 m long and soft cable 0.5 m long			
	pre-attached. KHCM-10-120-G15-(11, 13, 16) C2M	<mark>MV</mark> 10	20 3	Min. radius of curvature R20
*The above picture is KHCM-10-120-G15-11 C2MV.	KHCM-5-120-G15-(11, 13, 16) C2M	IV 5	10 3	Min. radius of curvature R15
550°C (Dynamic) 500°C (Stat •KHC Encapsulated Gage	t ic) Installation Method and			
Jniaxial, 2-element, CE emperature-compensation type	Operating Temperature Spot weiding, – 198 to 550 C			
Resistance: 120 Ω Sage factor (500°C): Approx. 1.75 for gage length 20mm Approx. 1.5 for gage length 10mm	The following models are delivered with MI cable 2 m long and soft cable 0.5 m long pre-attached.			
opprox. 1.5 for gage length 10 mm /aterial: NCF 600	KHC-20-120-G8-(11, 13, 16) C2MV	20	30 4	Min. radius of curvature R25
The above picture is KHC-10-120-G8-11 C2MV.	KHC-10-120-G8-(11, 13, 16) C2MV	10	16.5 4	Min. radius of curvature R20
Jniaxial, 2-element, temperature esistance: 120 Ω age factor (500°C): .pprox. 1.75 for gage length 20 mm	The following models are delivered	with MI cable 2 r	m long and sof	t cable 0.5 m long
Approx. 1.5 for gage length 10 mm Material: SUS 321	pre-attached. KHC-20-120-G9-(11, 13, 16) C2MV	20	30 5	Min. radius of curvature R25
	KHC-10-120-G9-(11, 13, 16) C2MV	10	16.5 5	Min. radius of
*The above picture is KHC-10-120-G9-11 C2MV.		10	10.5 5	curvature R20

STRAIN GAGES

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Strain Gages

Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material PCB

Plastics

Ultra-small strain High temp. Low temp.

High elongation

Nonmagnetoresistive

Ludrogon gos

Hydrogen gas Bending

With protector Embedded

Crack

Adhesive Coating agent

> Customdesigned

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1 gage/ pkg