

TEMPERATURE PROBE ACCESSORIES

CONNECTION TERMINATION HEADS - SCH4 SERIES

- > MULTI-ENTRY
- > HOUSES 1 OR 2 TRANSMITTERS
- > SEALED TO IP67
- > ENTRY THREAD SELECTION
- > DIGITAL DISPLAY OPTION



INTRODUCTION

The SCH4 series of probe connection heads has a wide range of entry sizes and positions. The head will accept standard connecting blocks and most standard head mounting transmitters. It also has two pillars for self tapping screws which enable a low cost terminal block to be fitted for Energy Management applications. Moulded in general purpose ABS, the external fixing points provide a simple and rapid means of mounting sensors directly onto ducts, dispensing with the need for separate mounting plates.

The unit is supplied fully assembled and consists of a body, cap, locking nut and sealing rings. Accessories include, a cap retaining chain or strap, clip in blanking plugs, OEM labels and mounting kits. The unit can also be supplied in separate parts. The only tool required for assembly is an 8 mm Allen Key.

BODY

Four body types are available:- single side entry, double side entry, single side and bottom entry or double side and bottom entry. All entry ports may be used for sensor or cable entry as required.

CAP

A low profile cap is used for general purpose applications and a high profile cap can be used when duplex sensors/transmitters are required.

Alternatively the connecting body can be supplied without a cap for use with the DM600 & 700 series of indicators. The display cap may be rotated to any position (within the constraints of the internal wiring) to obtain the optimum viewing angle. All caps are interchangeable, so it's easy to use a local display during set up and then fit a low profile cap.

ACCESSORIES

Mounting kits are available for mounting the SCH4 directly onto a pipe or wall or where it is not practical to use the fixing points on the body. The pipe mounting kit is supplied complete with 1 metre of stainless steel strap and fitting instructions.

SMK series spring mounting kits are used in conjunction with connecting blocks, transmitters and Style 3 sensors to ensure that the sensor insert tip is permanently in contact with the pocket.

A kit for mounting the SCH4 head on a "Top Hat" profile DIN Rail is available.



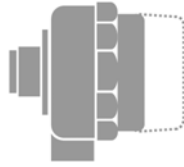
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TERMINATION HEAD STYLES

SCH4 - DETAILS

Material	ABS Plastic
Protection	IP67
Mounting	Sensor, Wall, Duct, Pipe

PROFILE



SCH4 - OUTLINE DIMENSIONS

Screw Cap	
Body Profile	Standard (108 x 85 x 70) mm
High Profile	(105 x 85 x 97) mm max.
Base Entry	
Side Entry	

SCH5 - DETAILS

Material	Aluminium Alloy
Protection	IP65
Mounting	Sensor only

PROFILE



SCH5 - OUTLINE DIMENSIONS

Hinged Flip Cap	
Body Profile	(83 x 85 x 110) mm max.
Sensor Entry	M24
Cable Entry	PG16/M20 Adaptor

SCH6 - DETAILS

Material	316 Stainless Steel
Protection	IP67
Mounting	Sensor only

PROFILE



SCH6 - OUTLINE DIMENSIONS

Screw Cap	
Body Profile	(72 x 55 x 50) mm max.
Sensor Entry	M24 1/2" BSP, 1/2" NPT, 1/2" BSPT
Cable Entry	M20

SCH11 - DETAILS

Material	Aluminium Alloy
Protection	IP67
Mounting	Sensor only

PROFILE



SCH11 - OUTLINE DIMENSIONS

Screw Cap	With retaining chain
Body Profile	(120 x 103 x 38) mm max.
Sensor Entry	M24
Cable Entry	M20

TEMPERATURE PROBE ACCESSORIES

CB SERIES CONNECTING BLOCKS

DIN Standard Connecting Blocks suitable for mounting directly into SCH Series Connecting Heads.

CB4

CB4/C 4 way Ceramic

CB4/P 4 way Plastic



CB6/C

CB6/C 6 way ceramic



CABLE GLANDS

Material
Colour

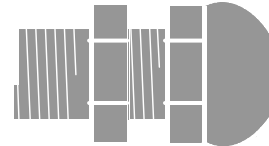
Tough nylon gland
Grey RAL 7001 Neoprene bush

Standards

Seals to IP68 Bar 5 (IEC144, BS5420), glands to VDE, UL, CSA and SEV.

Temp. range
Thread Type

Static: (-40 to 100) °C
PG or ISO metric



TEMPERATURE PROBE ACCESSORIES

ORDER CODE: SCH4 CONNECTING HEAD

SCH4	/	BODY TYPE	/	CAP TYPE	/	BASE ENTRY	/	SIDE ENTRY A	/	SIDE ENTRY B	/	OPTION
1 Side Port		A										
2 Side Ports		B										
1 Side & 1 Base Port		C										
2 Sides & 1 Base Port		D										
Low Profile Cap Standard			L									
High Profile Cap			D									
No Cap Fitted			O									
Not Fitted			00									
M16 Thread			16									
M20 Thread			20									
M24 Thread			24									
½" BSP Thread			.5 BSP									
½" NPT			.5 NPT									
Cap Retaining Chain											2	
Cap Retaining Strap											3	

Example SCH4/C/0/24/20/00/03

The DM400 assembly on a B style base with a single M24 base entry and an M20 side entry fitted with a cap retaining strap.

ORDER CODES: SCH OTHER

SCH	/	STYLE
		5
		6
		11

ORDER CODES: MOUNTING KITS

SMK	/	1	SEM104, 203, 205, 210, CB4C, CB6C
SMK	/	2	SEM110
RMK	/	1	SEM104, 203, 205, 210
RMK	/	2	SEM110
PMK	/	Max. Pipe Diameter Outside 305 (12") 610 (24")	
PMK	/	SCH4	
WMK	/	SCH4	

ORDER CODES: CONNECTING BLOCKS

CB	/	NO. OF WAYS	/	MATERIAL
Number of Ways		4		
		6		
Plastic (4 way only)			P	
Ceramic			C	

ORDER CODES: CABLE GLANDS

34-255-9960-01 M16 IP66 Nylon Cable Gland - 4/8 mm cable