futurasmus
KNX GROUP

arcus-eds
electronic design services gmbh

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE

1000101011101010 1110 /10000101*//1011011/1010101
1000001000 /   10000111**** 1111// 1000010101011100/
//101011000101 ///enter///100000100101101***

KNX®

INDEX

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE	PROBLE MAT.	PROBLE DIM.	IMAGE	PAGE

KNX SENSORS - TEMPERATURE

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE	PROBLE MAT.	PROBLE DIM.	IMAGE	PAGE
9993	30101000	SK01-T		SK01 WITHOUT TEMPERATURE PROBE					73
6158	30101001	SK01-T-OFTF		SK01 WITH SURFACE-CONTACTING PROBE		ALUMINIUM	8x8x40		73
6130	30101002	SK01-T-HTF PVC 1,5 m		SK01 WITH SLEEVE SENSOR	PVC 1,5 m				73
6112	30101003	SK01-T-HTF SILICONA 1,5 m			SILICONE 1,5 m				74
6131	30101055	SK01-T-HTF TEFLÓN 1,5 m	ON-WALL, OUTDOOR, DAMP ROOM, IP65		TEFLON 1,5 m				74
6332	30101004	SK01-T-ALTF1 PVC 1,5 m		SK01 WITH CONTACTING/TUBE CONTACTING PROBE	PVC 1,5 m				74
9212	30101005	SK01-T-ALTF1 SILICONA 1,5 m			SILICONE 1,5 m				75
8390	30101006	SK01-T-ALTF2							75
8275	30101007	SK01-T-ATF2		SK01 WITH EXTERNAL PROBE		V4A STEEL	30 mm, Ø 6 mm		75
10011	30101008	SK01-T-ESTF 50 mm PVC 1,5 m		SK01 WITH SCREW-IN/IMMERSION PROBE-CABLE CONNECTION	PVC 1,5 m	V4A STEEL (30 mm, Ø 6 mm)	G1/2", 50 mm		76
10012	30101009	SK01-T-ESTF 100 mm PVC 1,5 m			PVC 1,5 m	V4A STEEL (30 mm, Ø 6 mm)	G1/2", 100 mm		76
10013	30101010	SK01-T-ESTF 50 mm SILICONE 1,5 m			SILIKON 1,5 m	V4A STEEL (30 mm, Ø 6 mm)	G1/2", 50 mm		76
10014	30101011	SK01-T-ESTF 100 mm SILICONE 1,5 m			SILIKON 1,5 m	V4A STEEL (30 mm, Ø 6 mm)	G1/2", 100 mm		77
6026	30101013	SK01-T-ETF1 50 mm BRASS		SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE		BRASS	G1/2", 50 mm		77
6083	30101014	SK01-T-ETF1 100 mm BRASS				BRASS	G1/2", 100 mm		77
5945	30101015	SK01-T-ETF1 150 mm BRASS				BRASS	G1/2", 150 mm		78
6084	30101016	SK01-T-ETF1 200 mm BRASS				BRASS	G1/2", 200 mm		78
6085	30101017	SK01-T-ETF1 250 mm BRASS				BRASS	G1/2", 250 mm		78
6086	30101018	SK01-T-ETF1 300 mm BRASS				BRASS	G1/2", 300 mm		79
6087	30101019	SK01-T-ETF1 400 mm BRASS				BRASS	G1/2", 400 mm		79

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE	PROBLE MAT.	PROBLE DIM.	IMAGE	PAGE

KNX SENSORS - TEMPERATURE

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE	MAT.	DIM.	IMAGE	PAGE
6081	30101020	SK01-T-ETF2 50 mm V4A		SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A		V4A	G1/2", 50 mm		79
6134	30101021	SK01-T-ETF2 100 mm V4A				V4A	G1/2", 100 mm		80
6135	30101022	SK01-T-ETF2 150 mm V4A				V4A	G1/2", 150 mm		80
6136	30101023	SK01-T-ETF2 200 mm V4A	ON-WALL, OUTDOOR, DAMP ROOM, IP65			V4A	G1/2", 200 mm		80
6137	30101024	SK01-T-ETF2 250 mm V4A				V4A	G1/2", 250 mm		81
6138	30101025	SK01-T-ETF2 300 mm V4A				V4A	G1/2", 300 mm		81
6139	30101026	SK01-T-ETF2 400 mm V4A				V4A	G1/2", 400 mm		81
9995	30101027	SK01-T-ETF3 50 mm		SK01 WITH SCREW-IN/ IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A		V4A	G1/2", 50 mm		82
9996	30101028	SK01-T-ETF3 100 mm				V4A	G1/2", 100 mm		82
9997	30101029	SK01-T-ETF3 150 mm				V4A	G1/2", 150 mm		82
9998	30101030	SK01-T-ETF3 200 mm				V4A	G1/2", 200 mm		83
9999	30101031	SK01-T-ETF3 250 mm				V4A	G1/2", 250 mm		83
10000	30101032	SK01-T-ETF3 300 mm				V4A	G1/2", 300 mm		83
10001	30101033	SK01-T-ETF3 400 mm				V4A	G1/2", 400 mm		84
10002	30101034	SK01-T-ETF7 100 mm		SK01 WITH SCREW-IN/ IMMERSION PROBE WITH EXTENDED SHAFT WITH NECK TUBE FOR QUICK RESPONSIVITY		V4A	G1/2", 100 mm		84
10003	30101035	SK01-T-ETF7 150 mm				V4A	G1/2", 150 mm		84
10004	30101036	SK01-T-ETF7 250 mm				V4A	G1/2", 250 mm		85
10005	30101037	SK01-T-KTF1 50 mm		SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A		V4A	50 mm		85
10006	30101038	SK01-T-KTF1 100 mm				V4A	100 mm		85

						PROBLE			
WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE	MAT.	DIM.	IMAGE	PAGE

KNX SENSORS - TEMPERATURE

10007	30101039	SK01-T-KTF1 150 mm	ON-WALL, OUTDOOR, DAMP ROOM, IP65	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A		V4A	150 mm		86
8880	30101040	SK01-T-KTF1 200 mm				V4A	200 mm		86
10008	30101041	SK01-T-KTF1 250 mm				V4A	250 mm		86
9165	30101042	SK01-T-KTF1 300 mm				V4A	300 mm		87
9093	30101043	SK01-T-KTF1 400 mm				V4A	400 mm		87
10009	30101050	SK01-T-RPTF1		SK01 WITH PENDULUM ROOM PROBE	PVC 1,5 m	STAINLESS STEEL 1.4571	100 mm, M12/ 1,5 mm		87
10010	30101051	SK01-T-RPTF2		SK01 WITH PENDULUM ROOM PROBE (GLOBE THERMOMETER)	PVC 1,5 m	BLACK PLASTIC BALL	Ø = 50 mm		88
7715	30102201	SK02-T	ON-WALL, INDOOR	TEMPERATURE PROBE INTEGRATED IN BOX					88
6075	30103201	SK03-T BLANCO	IN-WALL, INDOOR	TEMPERATURE PROBE INTEGRATED IN BOX					88
6076	30103202	SK03-T ANTRACITA							89
9917	30801000	SK08-T8	INDOOR/ OUTDOOR	MULTIPLE-PT1000 8 CHANNEL					89

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE LENGTH	PROBLE LENGTH	IMAGE	PAGE

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE LENGTH	PROBLE LENGTH	IMAGE	PAGE
6090	30301053	SK01-TFK-AFF	INDOOR/OUTDOOR AND DAMP LOCATIONS	SK01 WITH EXTERNAL PROBE	2 m	45 mm		91
10015	30301054	SK01-TFK-RPFF		SK01 WITH PENDULUM ROOM PROBE	2 m	100 mm		91
10016	30301056	SK01-TFK-MMF			2 m	100 mm		91
10017	30301057	SK01-TFK-KFF		SK01 WITH DUCT PROBE		230 mm		92
5881	30302201	SK02-TFK	ON-WALL, INDOOR	SENSOR INTEGRATED IN BOX				92
6079	30303201	SK03-TFK WHITE	IN-WALL, INDOOR	SENSOR INTEGRATED IN BOX				92
6080	30303202	SK03-TFK ANTHRACITE						93

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE LENGTH	PROBLE LENGTH	IMAGE	PAGE

KNX SENSORS - TEMPERATURE/TEMPERATURE/HUMIDITY/CLIMATE

WEB CODE	REF. 1	REF. 2	MONT.	DESCRIPTION 1	CONNECTION CABLE LENGTH	PROBLE LENGTH	IMAGE	PAGE
6091	30401053	SK01-TTFK-AFF	INDOOR/OUTDOOR AND DAMP LOCATIONS	SK01 WITH EXTERNAL PROBE		45 mm, Ø = 14mm		95
10046	30401054	SK01-TTFK-RPFF		SK01 WITH PENDULUM ROOM PROBE	2 m	100 mm		95
10047	30401056	SK01-TTFK-MMF			2 m	100 mm		95
10048	30401057	SK01-TTFK-KFF		SK01 WITH DUCT PROBE		230 mm		96
8221	30403201	SK03-TTFK WHITE	IN-WALL, INDOOR	SENSOR INTEGRATED IN BOX				96
8222	30403202	SK03-TTFK ANTHRACITE						96

TECHNICAL DATA

KNX SENSORS - TEMPERATURE

Sensors with integrated KNX-Bus Coupler for measuring and regulating temperature.

No auxiliary voltage necessary.

ETS Application:

- Measured values of temperature.

- PI or two-point controller for temperature with steady or PWM outpu.t

- Various operating methods for temperature control: relative RTC, absolute RTC, standard.

- Alarm thresholds with presetting via KNX Bus: temperature.

- Minimum/Maximum temperature saved.

- Adjustable frost protection alarm.

- Post-adjustment of all thresholds and regulation objects.

- Actual value adjustment for temperature.

KNX SENSORS - TEMPERATURE

WEB CODE	9993	6158	6130
IMAGE			
ARTICLE NUMBER	30101000	30101001	30101002
MANUFACTURER REF.	SK01-T	SK01-T-OFTF	SK01-T-HTF PVC 1,5 m
DESCRIPTION 1	SK01 WITHOUT TEMPERATURE PROBE	SK01 WITH SURFACE-CONTACTING PROBE	SK01 WITH SLEEVE SENSOR
DESCRIPTION 2		SQUARE, FOR FLAT SURFACES	PT1000
TEMPERATURE RANGE		-30...+105°C	-35…+105°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION			LIQUID AND GASEOUS MEDIA
CONNECTION CABLE			MAT. PVC / DIM. 1,5 m
PROBLE		MAT. ALUMINIUM / DIM. 8x8x40	
SEALING	IP65	IP65	IP65
LISTPRICE	143,00 €	161,90 €	154,75 €

KNX SENSORS - TEMPERATURE

WEB CODE	6112	6131	6332
IMAGE			
ARTICLE NUMBER	30101003	30101055	30101004
MANUFACTURER REF.	SK01-T-HTF SILICONE 1,5 m	SK01-T-HTF TEFLON 1,5 m	SK01-T-ALTF1 PVC 1,5 m
DESCRIPTION 1	SK01 WITH SLEEVE SENSOR	SK01 WITH SLEEVE SENSOR	SK01 WITH CONTACTING/TUBE CONTACTING PROBE
DESCRIPTION 2	PT1000	PT1000	AXIAL SENSOR TUBE
TEMPERATURE RANGE	-50…+180°C	-50…+250°C	-35…+105°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID AND GASEOUS MEDIA	LIQUID AND GASEOUS MEDIA	LIQUIDS AND GASEOUS MEDIA IN PIPES AND TUBES
CONNECTION CABLE	MAT. SILICONE / DIM. 1,5 m	MAT. TEFLON / DIM. 1,5 m	MAT. PVC / DIM. 1,5 m
PROBLE			
SEALING		IP68	IP65
LISTPRICE	159,10 €	171,90 €	157,00 €

KNX SENSORS - TEMPERATURE

WEB CODE	9212	8390	8275
IMAGE			
ARTICLE NUMBER	30101005	30101006	30101007
MANUFACTURER REF.	SK01-T-ALTF1 SILIKON 1,5 m	SK01-T-ALTF2	SK01-T-ATF2
DESCRIPTION 1	SK01 WITH CONTACTING/TUBE CONTACTING PROBE	SK01 WITH CONTACTING/TUBE CONTACTING PROBE	SK01 WITH EXTERNAL PROBE
DESCRIPTION 2	CONTACTING/ TUBE CONTACTING PROBE	CONTACTING SENSOR (PT1000)	THE PT1000 SENSOR ENCLOSED IN SHEATH TUBE
TEMPERATURE RANGE	-35…+180°C	-30…+110°C	-50...+90°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUIDS AND GASEOUS MEDIA IN PIPES AND TUBES	LIQUIDS AND GASEOUS MEDIA IN PIPES AND TUBES	
CONNECTION CABLE	MAT. DIM. SILICONE 1,5 m		
PROBLE			MAT. DIM. V4A STEEL 30 mm, Ø 6 mm
SEALING		IP65	IP65
LISTPRICE	158,10 €	160,10 €	170,80 €

KNX SENSORS - TEMPERATURE

WEB CODE	10011	10012	10013
IMAGE			
ARTICLE NUMBER	30101008	30101009	30101010
MANUFACTURER REF.	SK01-T-ESTF 50 mm PVC 1,5 m	SK01-T-ESTF 100 mm PVC 1,5 m	SK01-T-ESTF 50 mm SILICONE 1,5 m
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE-CABLE CONNECTION	SK01 WITH SCREW-IN/IMMERSION PROBE-CABLE CONNECTION	SK01 WITH SCREW-IN/IMMERSION PROBE-CABLE CONNECTION
DESCRIPTION 2	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø8MM MAX. PRESSURE 40 BAR) MADE OF V4A STEEL WITH CABLE CONNECTION	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø8MM MAX. PRESSURE 40 BAR) MADE OF V4A STEEL WITH CABLE CONNECTION	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø8MM MAX. PRESSURE 40 BAR) MADE OF V4A STEEL WITH CABLE CONNECTION
TEMPERATURE RANGE	-35…+105℃	-35…+105℃	-50…+180℃
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY
CONNECTION CABLE	MAT. / DIM. PVC / 1,5 m	MAT. / DIM. PVC / 1,5 m	MAT. / DIM. SILICONE / 1,5 m
PROBLE	MAT. / DIM. V4A STEEL (30 mm, Ø 6 mm) / G1/2", 50 mm	MAT. / DIM. V4A STEEL (30 mm, Ø 6 mm) / G1/2", 100 mm	MAT. / DIM. V4A STEEL (30 mm, Ø 6 mm) / G1/2", 50 mm
SEALING	IP65	IP65	IP65
LISTPRICE	171,50 €	172,50 €	172,50 €

KNX SENSORS - TEMPERATURE

WEB CODE	10014	6026	6083
IMAGE			
ARTICLE NUMBER	30101011	30101013	30101014
MANUFACTURER REF.	SK01-T-ESTF 100 mm SILICONE 1,5 m	SK01-T-ETF1 50 mm BRASS	SK01-T-ETF1100 mm BRASS
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE-CABLE CONNECTION	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE
DESCRIPTION 2	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø8MM MAX. PRESSURE 40 BAR) MADE OF V4A STEEL WITH CABLE CONNECTION	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).
TEMPERATURE RANGE	-50…+180℃	-30...+150℃	-30...+150℃
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY

CONNECTION CABLE

MAT.	DIM.
SILICONE	1,5 m

PROBLE

	MAT.	DIM.	MAT.	DIM.	MAT.	DIM.
PROBLE	V4A STEEL (30 mm, Ø 6 mm)	G1/2", 100 mm	BRASS	G1/2", 50 mm	BRASS	G1/2", 100 mm
SEALING	IP65		IP65		IP65	
LISTPRICE	173,60 €		176,75 €		177,95 €	

KNX SENSORS - TEMPERATURE

WEB CODE	5945	6084	6085
IMAGE			
ARTICLE NUMBER	30101015	30101016	30101017
MANUFACTURER REF.	SK01-T-ETF1 150 mm BRASS	SK01-T-ETF1 200 mm BRASS	SK01-T-ETF1 250 mm BRASS
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE
DESCRIPTION 2	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. BRASS / DIM. G1/2", 150 mm	MAT. BRASS / DIM. G1/2", 200 mm	MAT. BRASS / DIM. G1/2", 250 mm
SEALING	IP65	IP65	IP65
LISTPRICE	178,60 €	180,20 €	181,15 €

KNX SENSORS - TEMPERATURE

KNX SENSORS - TEMPERATURE

WEB CODE	6086	6087	6081
IMAGE			
ARTICLE NUMBER	30101018	30101019	30101020
MANUFACTURER REF.	SK01-T-ETF1 300 mm BRASS	SK01-T-ETF1 400 mm BRASS	SK01-T-ETF2 50 mm V4A
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE	SK01 WITH SCREW-IN/IMMERSION PROBE, BRASS IMMERSION SLEEVE	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).	THE PT1000 SENSOR IS IN A BRASS SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A BRASS IMMERSION SLEEVE (Ø 8MM)(MAX. PRESSURE 10 BAR).	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. BRASS / DIM. G1/2", 300 mm	MAT. BRASS / DIM. G1/2", 400 mm	MAT. V4A / DIM. G1/2", 50 mm
SEALING	IP65	IP65	IP65
LISTPRICE	183,95 €	185,15 €	181,90 €

KNX SENSORS - TEMPERATURE

WEB CODE	6134	6135	6136
IMAGE			
ARTICLE NUMBER	30101021	30101022	30101023
MANUFACTURER REF.	SK01-T-ETF2 100 mm V4A	SK01-T-ETF2 150 mm V4A	SK01-T-ETF2 200 mm V4A
DESCRIPTION 1	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. V4A / DIM. G1/2", 100 mm	MAT. V4A / DIM. G1/2", 150 mm	MAT. V4A / DIM. G1/2", 200 mm
SEALING	IP65	IP65	IP65
LISTPRICE	184,73 €	187,10 €	189,20 €

KNX SENSORS - TEMPERATURE

WEB CODE	6137	6138	6139
IMAGE			
ARTICLE NUMBER	30101024	30101025	30101026
MANUFACTURER REF.	SK01-T-ETF2 250 mm V4A	SK01-T-ETF2 300 mm V4A	SK01-T-ETF2 400 mm V4A
DESCRIPTION 1	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A	SK01 WITH SCREW-IN IMMERSION PROBE, IMMERSION SLEEVE V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A IMMERSION SLEEVE (Ø 8MM) (MAX. PRESSURE 40 BAR)
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY	LIQUID OR GASEOUS MEDIA, IN HEATING PLANTS, CIRCULATION AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. DIM. V4A — G1/2", 250 mm	MAT. DIM. V4A — G1/2", 300 mm	MAT. DIM. V4A — G1/2", 400 mm
SEALING	IP65	IP65	IP65
LISTPRICE	190,50 €	196,10 €	197,90 €

KNX SENSORS - TEMPERATURE

WEB CODE	9995	9996	9997
IMAGE			
ARTICLE NUMBER	30101027	30101028	30101029
MANUFACTURER REF.	SK01-T-ETF3 50 mm	SK01-T-ETF3 100 mm	SK01-T-ETF3 150 mm
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION			
CONNECTION CABLE			
PROBLE	MAT. V4A / DIM. G1/2", 50 mm	MAT. V4A / DIM. G1/2", 100 mm	MAT. V4A / DIM. G1/2", 150 mm
SEALING	IP65	IP65	IP65
LISTPRICE	199,00 €	199,60 €	200,85 €

KNX SENSORS - TEMPERATURE

WEB CODE	9998	9999	10000
IMAGE			
ARTICLE NUMBER	30101030	30101031	30101032
MANUFACTURER REF.	SK01-T-ETF3 200 mm	SK01-T-ETF3 250 mm	SK01-T-ETF3 300 mm
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+150°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION			
CONNECTION CABLE			
PROBLE	MAT. V4A / DIM. G1/2", 200 mm	MAT. V4A / DIM. G1/2", 250 mm	MAT. V4A / DIM. G1/2", 300 mm
SEALING	IP65	IP65	IP65
LISTPRICE	202,40 €	203,50 €	207,10 €

KNX SENSORS - TEMPERATURE

WEB CODE	10001	10002	10003
IMAGE			
ARTICLE NUMBER	30101033	30101034	30101035
MANUFACTURER REF.	SK01-T-ETF3 400 mm	SK01-T-ETF7 100 mm	SK01-T-ETF7 150 mm
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE. IMMERSION SLEEVE WITH EXTENDED SHAFT V4A	SK01 WITH SCREW-IN/IMMERSION PROBE WITH EXTENDED SHAFT WITH NECK TUBE FOR QUICK RESPONSIVITY	SK01 WITH SCREW-IN/IMMERSION PROBE WITH EXTENDED SHAFT WITH NECK TUBE FOR QUICK RESPONSIVITY
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM), WHICH IS INSIDE A V4A STAINLESS STEEL IMMERSION SLEEVE (MAX. PRESSURE 40 BAR)	TEMPERATURE PROBE (PT1000) WITH NECK TUBE AND PLAIN TAPERED SHEATH TUBE, VERY QUICK RESPONSE TIME. PIPE LENGTH: 25MM PROTECTIVE MATERIAL: STAINLESS STEEL 1.4571 PIPE MEASUREMENTS: Ø=6MM, PLAIN TAPERED Ø=4MM	TEMPERATURE PROBE (PT1000) WITH NECK TUBE AND PLAIN TAPERED SHEATH TUBE, VERY QUICK RESPONSE TIME. PIPE LENGTH: 25MM PROTECTIVE MATERIAL: STAINLESS STEEL 1.4571 PIPE MEASUREMENTS: Ø=6MM, PLAIN TAPERED Ø=4MM
TEMPERATURE RANGE	-30...+150℃	-35…+150 ℃	-35…+150 ℃
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION		ESPECIALLY SUITABLE FOR VERY SWIFT TEMPERATURE AND CONTROL PROCESSES SUCH AS HOT WATER SYSTEMS	ESPECIALLY SUITABLE FOR VERY SWIFT TEMPERATURE AND CONTROL PROCESSES SUCH AS HOT WATER SYSTEMS
CONNECTION CABLE			
PROBLE	MAT. V4A	DIM. G1/2", 400 mm	MAT. V4A	DIM. G1/2", 100 mm	MAT. V4A	DIM. G1/2", 150 mm
SEALING	IP65	IP65	IP65
LISTPRICE	209,40 €	265,30 €	267,05 €

KNX SENSORS - TEMPERATURE

WEB CODE	10004	10005	10006
IMAGE			
ARTICLE NUMBER	30101036	30101037	30101038
MANUFACTURER REF.	SK01-T-ETF7 250 mm	SK01-T-KTF1 50 mm	SK01-T-KTF1 100 mm
DESCRIPTION 1	SK01 WITH SCREW-IN/IMMERSION PROBE WITH EXTENDED SHAFT WITH NECK TUBE FOR QUICK RESPONSIVITY	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A
DESCRIPTION 2	TEMPERATURE PROBE (PT1000) WITH NECK TUBE AND PLAIN TAPERED SHEATH TUBE, VERY QUICK RESPONSE TIME. PIPE LENGTH: 25MM PROTECTIVE MATERIAL: STAINLESS STEEL 1.4571 PIPE MEASUREMENTS: Ø=6MM, PLAIN TAPERED Ø=4MM	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)
TEMPERATURE RANGE	-35…+150 ℃	-30...+150℃	-30...+150℃
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	ESPECIALLY SUITABLE FOR VERY SWIFT TEMPERATURE AND CONTROL PROCESSES SUCH AS HOT WATER SYSTEMS	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. V4A / DIM. G1/2", 250 mm	MAT. V4A / DIM. 50 mm	MAT. V4A / DIM. 100 mm
SEALING	IP65	IP65	IP65
LISTPRICE	269,65 €	174,10 €	174,50 €

KNX SENSORS - TEMPERATURE

WEB CODE	10007	8880	10008
IMAGE			
ARTICLE NUMBER	30101039	30101040	30101041
MANUFACTURER REF.	SK01-T-KTF1 150 mm	SK01-T-KTF1 200 mm	SK01-T-KTF1 250 mm
DESCRIPTION 1	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)
TEMPERATURE RANGE	-30...+150℃	-30...+150℃	-30...+150℃
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY
CONNECTION CABLE			
PROBLE	MAT. V4A / DIM. 150 mm	MAT. V4A / DIM. 200 mm	MAT. V4A / DIM. 250 mm
SEALING	IP65	IP65	IP65
LISTPRICE	175,00 €	175,62 €	178,10 €

KNX SENSORS - TEMPERATURE

WEB CODE	9165	9093	10009
IMAGE			
ARTICLE NUMBER	30101042	30101043	30101050
MANUFACTURER REF.	SK01-T-KTF1 300 mm	SK01-T-KTF1 400 mm	SK01-T-RPTF1
DESCRIPTION 1	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A	SK01 WITH DUCT/AIR DUCT PROBE INCL. MOUNTING FLANGE V4A	SK01 WITH PENDULUM ROOM PROBE
DESCRIPTION 2	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)	THE PT1000 SENSOR IS IN A V4A STEEL SHEATH TUBE (Ø 6MM)	TEMPERATURE SENSOR PT1000 IS IN SHEATH TUBE
TEMPERATURE RANGE	-30...+150°C	-30...+150°C	-30...+75 °C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, OUTDOOR, DAMP ROOM, IP65
APPLICATION	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY	AIR DUCTS AND HEATING AND CLIMATE TECHNOLOGY	ESPECIALLY DESIGNED FOR ROOMS WITH A HIGH CEILING
CONNECTION CABLE			MAT.: PVC — DIM.: 1,5 m
PROBLE	MAT.: V4A — DIM.: 300 mm	MAT.: V4A — DIM.: 400 mm	MAT.: ACERO INOXIDABLE 1.4571 — DIM.: 100 mm, M12/1,5 mm
SEALING	IP65	IP65	IP65
LISTPRICE	179,80 €	182,10 €	191,50 €

KNX SENSORS - TEMPERATURE

WEB CODE	10010	7715	6075
IMAGE			
ARTICLE NUMBER	30101051	30102201	30103201
MANUFACTURER REF.	SK01-T-RPTF2	SK02-T	SK03-T WHITE
DESCRIPTION 1	SK01 WITH PENDULUM ROOM PROBE (GLOBE THERMOMETER)	TEMPERATURE PROBE INTEGRATED IN BOX	TEMPERATURE PROBE INTEGRATED IN BOX
DESCRIPTION 2	TEMPERATURE SENSOR PT1000 IS IN A BLACK PLASTIC BALL (Ø 50 MM). DARK RADIATION PROBE DETECTS RADIATION AND RADIATION WARMTH	DETECTION AND CONTROLL OF ROOM TEMPERATURE	DETECTION AND CONTROLL OF ROOM TEMPERATURE. COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM)
TEMPERATURE RANGE	-30...+80 °C	-25...+55°C	-25...+55°C
INSTALLATION	ON-WALL, OUTDOOR, DAMP ROOM, IP65	ON-WALL, INDOOR	IN-WALL, INDOOR
APPLICATION	ESPECIALLY DESIGNED FOR ROOMS WITH A HIGH CEILING	IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS	IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS
CONNECTION CABLE	MAT. DIM. PVC 1,5 m		
PROBLE	MAT. DIM. BLACK PLASTIC BALL Ø = 50 mm		
SEALING	IP65	IP20	IP20
LISTPRICE	189,50 €	156,00 €	153,00 €

KNX SENSORS - TEMPERATURE

WEB CODE	6076	9917	
IMAGE			
ARTICLE NUMBER	30103202	30801000	
MANUFACTURER REF.	SK03-T ANTHRACITE	SK08-T8	
DESCRIPTION 1	TEMPERATURE PROBE INTEGRATED IN BOX	MULTIPLE-PT1000 8 CHANNEL	
DESCRIPTION 2	DETECTION AND CONTROLL OF ROOM TEMPERATURE.

COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM) | KNX CONTROLLER 8 CHANNEL TEMPERATURE FOR MEASURING AND CONTROLLING UP TO 8 TEMPERATURES BOTH OUTDOORS AND (DAMP) INDOORS (IP 65) | |
TEMPERATURE RANGE	-25...+55°C		
INSTALLATION	IN-WALL, INDOOR	INDOOR/OUTDOOR	
APPLICATION	IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS		
CONNECTION CABLE			
PROBLE			
SEALING	IP20	IP65	
LISTPRICE	153,00 €	298,00 €	

TECHNICAL DATA

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE

Sensors with integrated KNX bus coupler for measuring and regulating temperature and humidity.

Auxiliary voltage is not necessary.

ETS Application:

- Measured values of temperature and relative humidity.

- PI or two-position controller for temperature with steady or PWM output.

- Two-position controller for relative humidity.

- Actual value adjustment for temperature and relative humidity- Measured values of temperature and relative humidity.

- Various operating methods for temperature control: relative RTC, absolute RTC, standard.

- Maximum thresholds alarm with presetting via KNX Bus: humidity, temperature.

- Minimum/Maximum temperature saved.

- Adjustable frost protection alarm.

- Dew point alarm and dew point control.

- Post-adjustment of all standards and limits.

- Text displayed when entering/leaving the comfort field.

- Values displayed: absolute humidity, dew point temperature, enthalpy.

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE
SENSOR: SENSIRION SHT71 / SHT11

WEB CODE	6090	10015	10016
IMAGE			
ARTICLE NUMBER	30301053	30301054	30301056
MANUFACTURER REF.	SK01-TFK-AFF	SK01-TFK-RPFF	SK01-TFK-MMF
DESCRIPTION 1	SK01 WITH EXTERNAL PROBE	SK01 WITH PENDULUM ROOM PROBE	SK01 WITH PENDULUM ROOM PROBE
DESCRIPTION 2	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A HYDROGAS METAL MEMBRANE FILTER
OPERATING RANGE TEMPERATURE			
TEMP.	-20...+80°C	-20...+80°C	-20...+80°C
HUMIDITY	10...90% r.H.	0...100% r.H.	0...100% r.H.
INSTALLATION	INDOOR/OUTDOOR AND DAMP LOCATIONS	INDOOR/OUTDOOR AND DAMP LOCATIONS	INDOOR/OUTDOOR AND DAMP LOCATIONS
APPLICATION	BUILDING AUTOMATION, REFRIGERATION, AIR-CONDITIONING AND VENTILATION SYSTEMS, CLEAN ROOMS, GREENHOUSES, ETC.	BUILDING AUTOMATION, REFRIGERATION, AIR-CONDITIONING, VENTILATION AND CLEAN ROOM TECHNOLOGY, GREENHOUSES, HALLS WITH HIGH CEILINGS	BUILDING AUTOMATION, REFRIGERATION, AIR-CONDITIONING, VENTILATION AND CLEAN ROOM TECHNOLOGY, GREENHOUSES, HALLS WITH HIGH CEILINGS
CONNECTION CABLE LENGTH	2 m	2 m	2 m
PROBLE LENGTH	45 mm	100 m	100 m
SEALING	IP65	IP65	IP65
LISTPRICE	222,00 €	264,00 €	297,00 €

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE
SENSOR: SENSIRION SHT71 / SHT11

WEB CODE	10017	5881	6079
IMAGE			
ARTICLE NUMBER	30301057	30302201	30303201
MANUFACTURER REF.	SK01-TFK-KFF	SK02-TFK	SK03-TFK WHITE
DESCRIPTION 1	SK01 WITH DUCT PROBE	SENSOR INTEGRATED IN BOX	SENSOR INTEGRATED IN BOX
DESCRIPTION 2	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	DETECTING AND CONTROLLING ROOM CLIMATE	DETECTING AND CONTROLLING ROOM CLIMATE. COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM)
OPERATING RANGE TEMPERATURE			
TEMP.	-20...+80℃	-25...+55℃	
HUMIDITY	10...90% r.H.		
INSTALLATION	INDOOR/OUTDOOR AND DAMP LOCATIONS	ON-WALL, INDOOR	IN-WALL, INDOOR
APPLICATION	REGULATION IN HEATING SYSTEMS FOR CONSTANT KNX VALVES OR ELECTROTHERMAL VALVES, LOCAL AIR-REGULATION	DETECTING/CONTROLLING ROOM TEMPERATURE IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS	DETECTING AND CONTROLLING ROOM CLIMATE IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS
CONNECTION CABLE LENGTH			
PROBLE LENGTH	230 mm		
SEALING	IP65	IP20	IP20
LISTPRICE	248,00 €	196,00 €	193,00 €

KNX SENSORS - TEMPERATURE/HUMIDITY/CLIMATE
SENSOR: SENSIRION SHT71 / SHT11

WEB CODE	6080		
IMAGE			
ARTICLE NUMBER	30303202		
MANUFACTURER REF.	SK03-TFK ANTHRACITE		
DESCRIPTION 1	SENSOR INTEGRATED IN BOX		
DESCRIPTION 2	DETECTING AND CONTROLLING ROOM CLIMATE. COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM)		
OPERATING RANGE TEMPERATURE			
TEMP.	-25...+55°C		
HUMIDITY			
INSTALLATION	IN-WALL, INDOOR		
APPLICATION	DETECTING AND CONTROLLING ROOM CLIMATE IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS		
CONNECTION CABLE LENGTH			
PROBLE LENGTH			
SEALING	IP20		
LISTPRICE	193,00 €		

TECHNICAL DATA

KNX SENSORS - TEMPERATURE/TEMPERATURE/HUMIDITY/CLIMATE

Sensors with integrated KNX Bus Coupler for measuring and regulating temperature and humidity.

WITH CONNECTOR FOR ADDITIONAL PT1000-PROBE.

AN ADDITIONAL PT1000 SENSOR (NOT INCLUDED IN DELIVERY) FOR SURFACE,
SCREW-IN OR CONTACTING SENSOR WITH CUSTOMIZED CABLE-LENGTH CAN BE ORDERED.

No auxiliary voltage necessary.

ETS-Application:

- Measured values of temperature and relative humidity (Sensirion-Sensor).

- PI or two-position controller for temperature with steady or PWM output.

- Two-position controller for relative humidity.

- Various operating methods for temperature control: relative RTC, absolute RTC, standard.

- Maximum thresholds alarm with presetting via KNX Bus: humidity, temperature.

- Minimum/Maximum temperature saved.

- Adjustable frost protection alarm.

- Dew point alarm and dew point control.

- Post-adjustment of all standards and limits.

- Text displayed when entering/leaving the comfort field.

- Values displayed: absolute humidity, dew point temperature, enthalpy.

- Actual value adjustment for temperature and relative humidity.

- Measured value of the second temperature (additional sensor PT1000) with two-position controller.

The additional temperature reading is especially useful in preventing structural damage. The SK01-TTFK-E-53 calculates the dew point temperature with its integrated probe by measuring the room temperature and humidity content. The additional external sensor is placed directly on the coldest part of the structure and activates an alarm or makes an adjustment when the dew point temperature is reached.

KNX SENSORS - TEMPERATURE/TEMPERATURE/HUMIDITY/CLIMATE

KNX SENSORS - TEMPERATURE/TEMPERATURE/HUMIDITY/CLIMATE
SENSOR: SHT11/PT1000

WEB CODE	6091	10046	10047
IMAGE			
ARTICLE NUMBER	30401053	30401054	30401056
MANUFACTURER REF.	SK01-TTFK-AFF	SK01-TTFK-RPFF	SK01-TTFK-MMF
DESCRIPTION 1	SK01 WITH EXTERNAL PROBE	SK01 WITH PENDULUM ROOM PROBE	SK01 WITH PENDULUM ROOM PROBE
DESCRIPTION 2	THE TEMPERATURE/HUMIDITY PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A HYDROGAS METAL MEMBRANE FILTER
OPERATING RANGE TEMPERATURE			
TEMP.	-25...+55°C	-25...+55°C	-25...+55°C
HUMIDITY	0…100% r.H.	0…100% r.H.	0…100% r.H.
INSTALLATION	INDOOR/OUTDOOR AND DAMP LOCATIONS	INDOOR/OUTDOOR AND DAMP LOCATIONS	INDOOR/OUTDOOR AND DAMP LOCATIONS
APPLICATION	BUILDING AUTOMATION, REFRIGERATION, AIR-CONDITIONING AND VENTILATION TECHNOLOGY, GREENHOUSES ETC.	BUILDING AUTOMATION, REFRIGERATION, AIRCONDITIONING AND VENTILATION TECHNOLOGY, GREENHOUSES, IN HALLS WITH HIGH CEILINGS, ETC.	BUILDING AUTOMATION, REFRIGERATION, AIRCONDITIONING AND VENTILATION TECHNOLOGY, GREENHOUSES, IN HALLS WITH HIGH CEILINGS, ETC.
CONNECTION CABLE LENGTH		2 m	2 m
PROBLE LENGTH	45 mm, Ø = 14mm	100 m	100 m
SEALING	IP65	IP65	IP65
LISTPRICE	262,00 €	300,00 €	333,00 €

KNX SENSORS - TEMPERATURE/TEMPERATURE/HUMIDITY/CLIMATE
SENSOR: SHT11/PT1000

WEB CODE	10048	8221	8222
IMAGE			
ARTICLE NUMBER	30401057	30403201	30403202
MANUFACTURER REF.	SK01-TTFK-KFF	SK03-TTFK WHITE	SK03-TTFK ANTHRACITE
DESCRIPTION 1	SK01 WITH DUCT PROBE	SENSOR INTEGRATED IN BOX	SENSOR INTEGRATED IN BOX
DESCRIPTION 2	THE PROBE IS PROTECTED FROM CONDENSATION AND DUST BY A POROPLAST PROTECTIVE COATING	DETECTING AND CONTROLLING ROOM CLIMATE. COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM).	DETECTING AND CONTROLLING ROOM CLIMATE. COMPATIBLE WITH SWITCHING SYSTEMS (E.G. GIRA, MERTEN IN STANDARD 55MM).
OPERATING RANGE TEMPERATURE			
TEMP.	-20...+80°C	-25...+55°C	-25...+55°C
HUMIDITY	10...90% r.H.	0…100% r.H.	0…100% r.H.
INSTALLATION	INDOOR/OUTDOOR AND DAMP LOCATIONS	IN-WALL, INDOOR	IN-WALL, INDOOR
APPLICATION	DETECTION OF TEMPERATURE IN AIR DUCTS, LOCAL REGULATION IN HEATING SYSTEMS FOR CONSTANT KNX VALVES OR ELECTROTHERMAL VALVES, LOCAL AIR-REGULATION	IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS.	IN HOMES, HOTELS, OFFICES, EXHIBITION AREAS AND SCHOOLS.
CONNECTION CABLE LENGTH			
PROBLE LENGTH	230 m		
SEALING	IP65	IP20	IP20
LISTPRICE	284,00 €	245,00 €	245,00 €