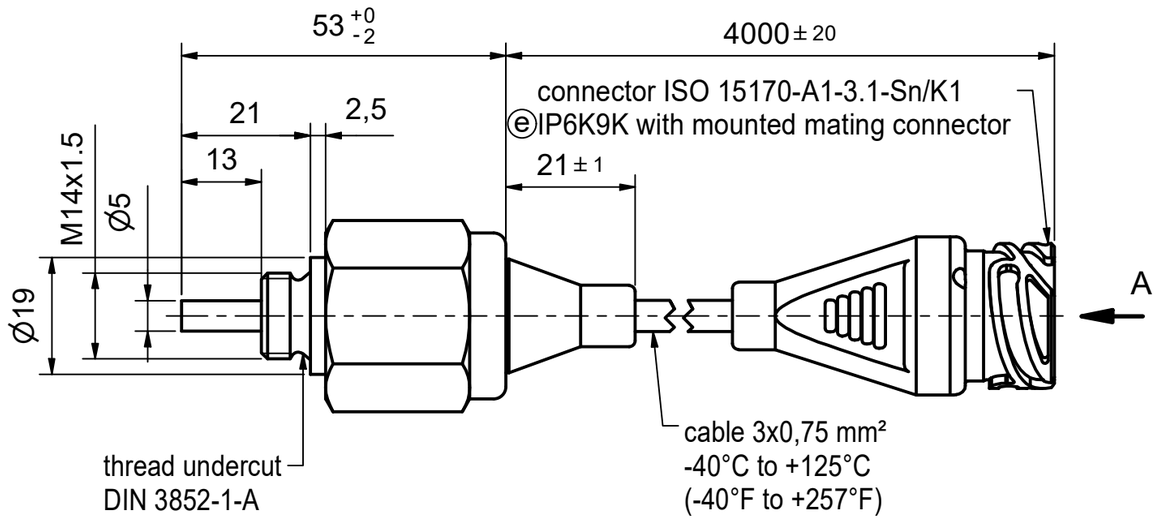
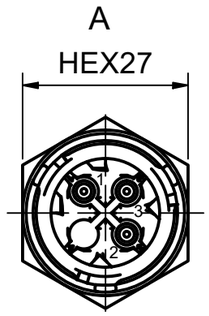




Pin assignment:
1 = positive (+)
2 = negative (-)
3 = switching output (S)

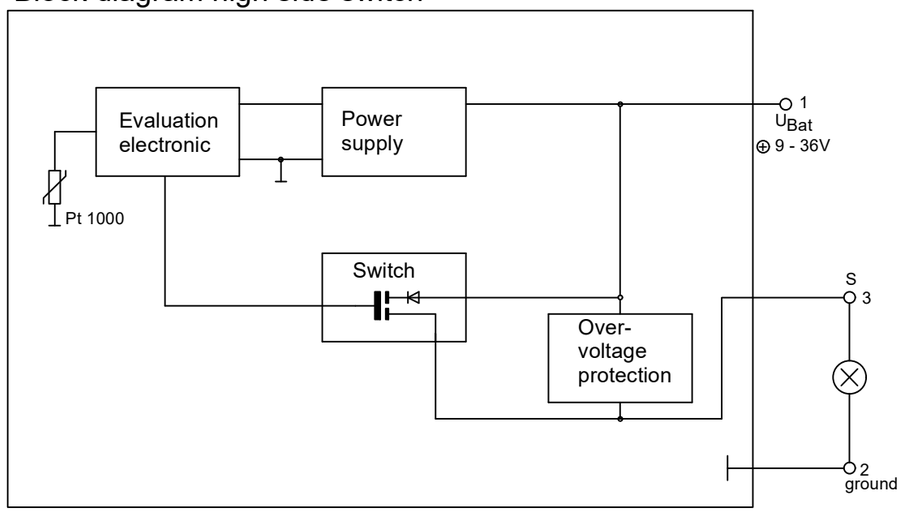
Technical data:

Sensor element	Pt 1000 class B	ⓔ
Operating voltage	12 / 24 V (-25% / +50%) (9 - 36 VDC)	
Current consumption	< 10 mA	
Max. switching voltage	36 V	
Max. switching current	1 A	
Voltage drop	≤ 1,5 V (1 A)	
Off-State leakage current	10 µA (25°C / 77°F)	
Overload	short-circuit and overload proof	
Operating temperature	-40°C to +125°C (-40°F to +257°F)	
Switchpoint	≥ 100°C (≥ 212°F) OFF	
Switching tolerance	±3 K	
Hysteresis tolerance	< 1 K	
Switching mode	high side switch opening at Tmax.	
Housing material	CuZn38Pb2; EN12164, CW608N or CuZn39Pb3; EN12164, CW614N electronic and housing galvanically isolated	
Tightening torque	max. 25 Nm	
Environmental protection	IP6K9K according to ISO 20653	ⓔ
Marking	BEDIA; Pt 1000; manufacturer-no.; switchpoint; year/ week; approval	ⓔ

EMC

Radiated emission	2004/104/EG	30 MHz - 1 GHz; 1 m
Conducted transient emission	ISO 7637-2	
Immunity to RF electromagnetic fields	ISO 11452-1/-2	1000 MHz - 2000 MHz; 30 V / m (rms)
Immunity to RF electromagnetic fields in the stripline	ISO 11452-1/-5	20 MHz - 1000 MHz; 60 V / m (rms)
Transient immunity test on power lines	ISO 7637-2	pulses 1, 2a, 2b, 3a, 3b, 4

Block diagram high side switch



Zust./ rev.	Änderung/modification	Datum/date	Name/Geprüft checked by
e	marking; TA-2021-0046: div.	21.02.23	MoeMi/GeiDo
d	see drawing	30.10.13	MoeMi/StaRo
c	O-ring	11.11.05	MoeMi/ZibGu
b	see drawing	28.07.04	MoeMi/ZibGu
a	see drawing	10.05.04	MoeMi/ZibGu

Zul. Abweichung / admissible tolerance: ISO 2768-mK
Oberfläche / surface

	Datum / date	Name / name
Erstellt / created by	10.02.2000	MoeMi
Geprüft / checked by	10.05.2004	ZibGu

Format / Size: A3
Maßeinheit / dimension unit in [mm]

Maßstab / scale: 1 : 1
Sprache / language: ENU
Blatt sheet: 1 /1

Benennung / description: Electronical temperature switch

BEDIA®

Zeichnungsnummer / drawing number: 420147
Zng. Art/ drw.type: DRC

BEDIA Motorentechnik GmbH & Co.KG,
Altdorf bei Nürnberg