



TECH POWER
ELECTRONICS GROUP



Tech Power
Components



HALL EFFECT SENSORS



INDUCTIVE POWER.

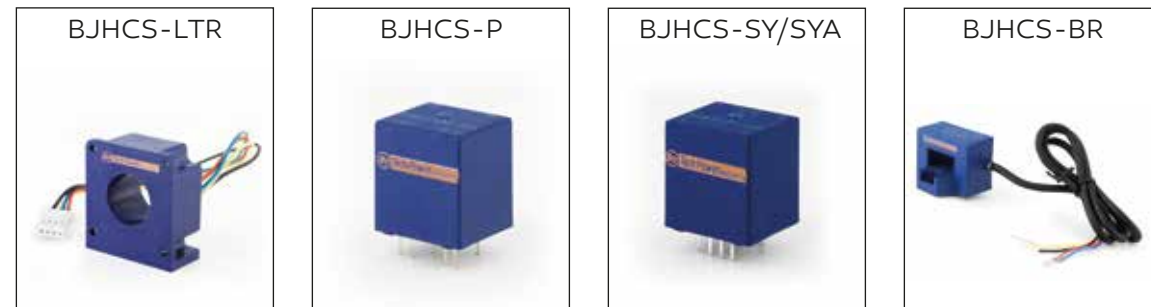
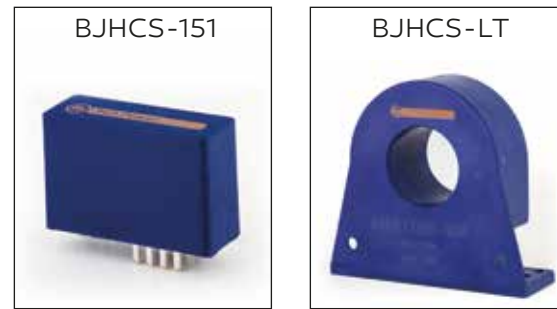
AGILE // PRAGMATIC // SINCERE

Driven by innovation, reliable and always focused on solutions – this is how the group-wide expertise within the TECH POWER ELECTRONICS GROUP can be summed up. The six companies SCHWA-MEDICO Transformatoren GmbH, SCHNEEFUSS + ROHDE GmbH, MANFRED SCHMELZER GmbH, MS BALTI Trafo OÜ, MCT Transformatoren GmbH and TECH POWER ELECTRONICS together form a strong alliance capable of shaping the worldwide market with their transformers and industrial products. We are a company with clear values, a commitment to quality, synchronous workflows, lean structures, and a strategy of long-term growth for the entire group.

HALL EFFECT SYMETRIC VOLTAGE SUPPLY CURRENT SENSORS

Mounting Type

- A: primary & secondary currents on PCB
- B: primary current through hole, secondary on PCB
- C: frame mounting



Serie	I_{PN} (A)	I_p max (A)	Type	V_c (Vdc)	V_{out}/I_{out} at I_{PN}	Accuracy at $I_{PN}/T_A = 25^\circ\text{C}$ (%)	Operating Temperature ($^\circ\text{C}$)	Mounting Type
BJHCS-151-100/100B	25-50	100	Closed loop	± 15	25-50 mA	0.5	-40...+85	A
BJHCS-151-104/204	25-50	120	Closed loop	± 15	12.5-25 mA	0.5	-40...+85	A
BJHCS-LT205M/S	50/.../300	900	Closed loop	$\pm 12... \pm 18$	50/.../150 mA	0.5	-40...+85	C
BJHCS-LT305M/S	300/.../500	1,500	Closed loop	$\pm 15... \pm 24$	100 mA	0.5	-40...+85	C
BJHCS-LTR	50/.../300	900	Closed loop	$\pm 12... \pm 18$	50/.../150 mA	0.5	-40...+85	C
BJHCS-P	3/.../50	150	Closed loop	± 15	4 V	0.5	-40...+85	A
BJHCS-SY	3/.../50	150	Closed loop	± 15	4 V	0.5	-40...+85	A
BJHCS-SYA	3/.../50	100	Closed loop	± 15	20 mA	0.5	-40...+85	A
BJHCS-BR	50/.../600	900	Open loop	± 15	4 V	1.0	-40...+85	C
BJHCS-F	200/.../2,000	3,000	Open loop	± 15	4 V	1.0	-40...+85	C
BJHCS-K3	50/.../600	900	Open loop	± 15	4 V	1.0	-40...+85	C
BJHCS-LA	25/.../100	150	Closed loop	$\pm 12... \pm 15$	25/.../50 mA	0.5	-40...+85	B
BJHCS-AP	50/.../200	600	Closed loop	$\pm 12... \pm 18$	50/.../125 mA	0.5	-40...+85	B

HALL EFFECT SINGLE VOLTAGE SUPPLY CURRENT SENSORS



Serie	I_{PN} (A)	I_p max (A)	Type	V_c (Vdc)	V_{out} at I_{PN} (V)	Accuracy at $I_{PN}/T_A = 25^\circ\text{C}$ (%)	Operating Temperature ($^\circ\text{C}$)	Mounting Type
BJHCS-ES3A	25-50-75	150	Closed loop	± 3.3	1.65 ± 0.625	0.5	-40...+85	B
BJHCS-ES5A	25-50-75	200	Closed loop	+5.0	2.5 ± 0.625	0.5	-40...+85	B
BJHCS-LSP	20-25	25	Closed loop	+5.0	2.5 ± 2	0.7	-40...+85	A or B
BJHCS-LSP3	6/.../25	50	Closed loop	+3.3	1.65 ± 0.625	0.7	-40...+85	A or B
BJHCS-K5	50/.../600	900	Open loop	+5.0	2.5 ± 0.625	1.0	-40...+85	C
BJHCS-LTS	6/.../50	150	Closed loop	+5.0	2.5 ± 0.625	0.7	-40...+85	A or B
BJHCS-LTSR	6/.../50	150	Closed loop	+5.0	2.5 ± 0.625	0.7	-40...+85	A or B
BJHCS-LTS3	6/.../50	84	Closed loop	+3.3	1.65 ± 0.625	0.7	-40...+85	A or B
BJHCS-PS3.3	5/.../25	50	Closed loop	+3.3	1.65 ± 0.625	0.7	-40...+85	A
BJHCS-PS5	5/.../25	80	Closed loop	+5.0	2.5 ± 0.625	0.7	-40...+85	A
BJHCS-CAS	6-15-25	84	Closed loop	+5.0	2.5 ± 0.625	0.5	-40...+85	A

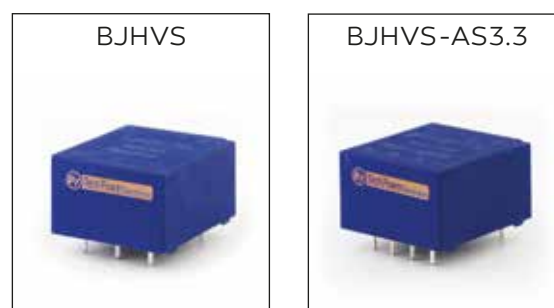
HALL EFFECT HIGH PRECISION CURRENT SENSORS

NOTES

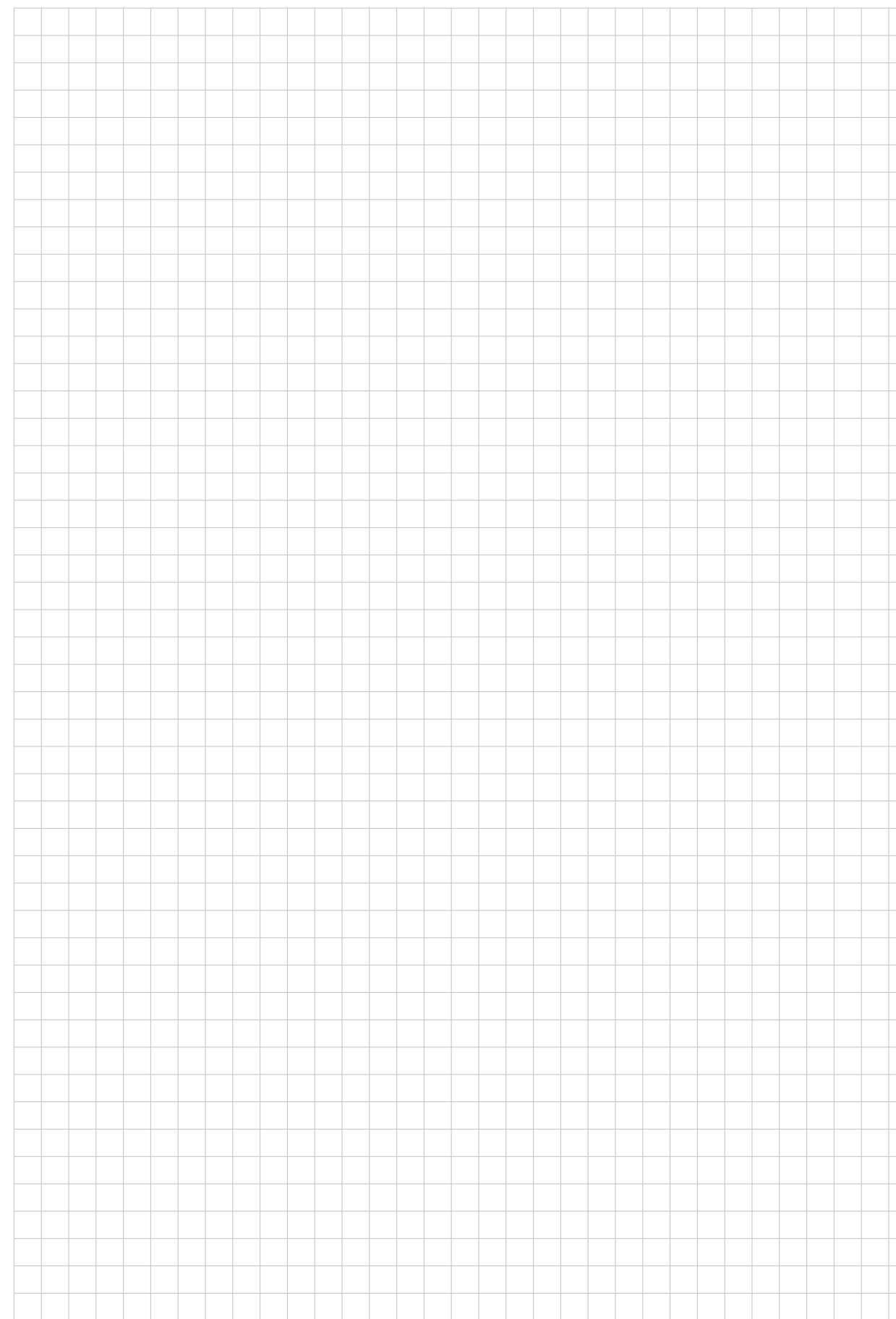


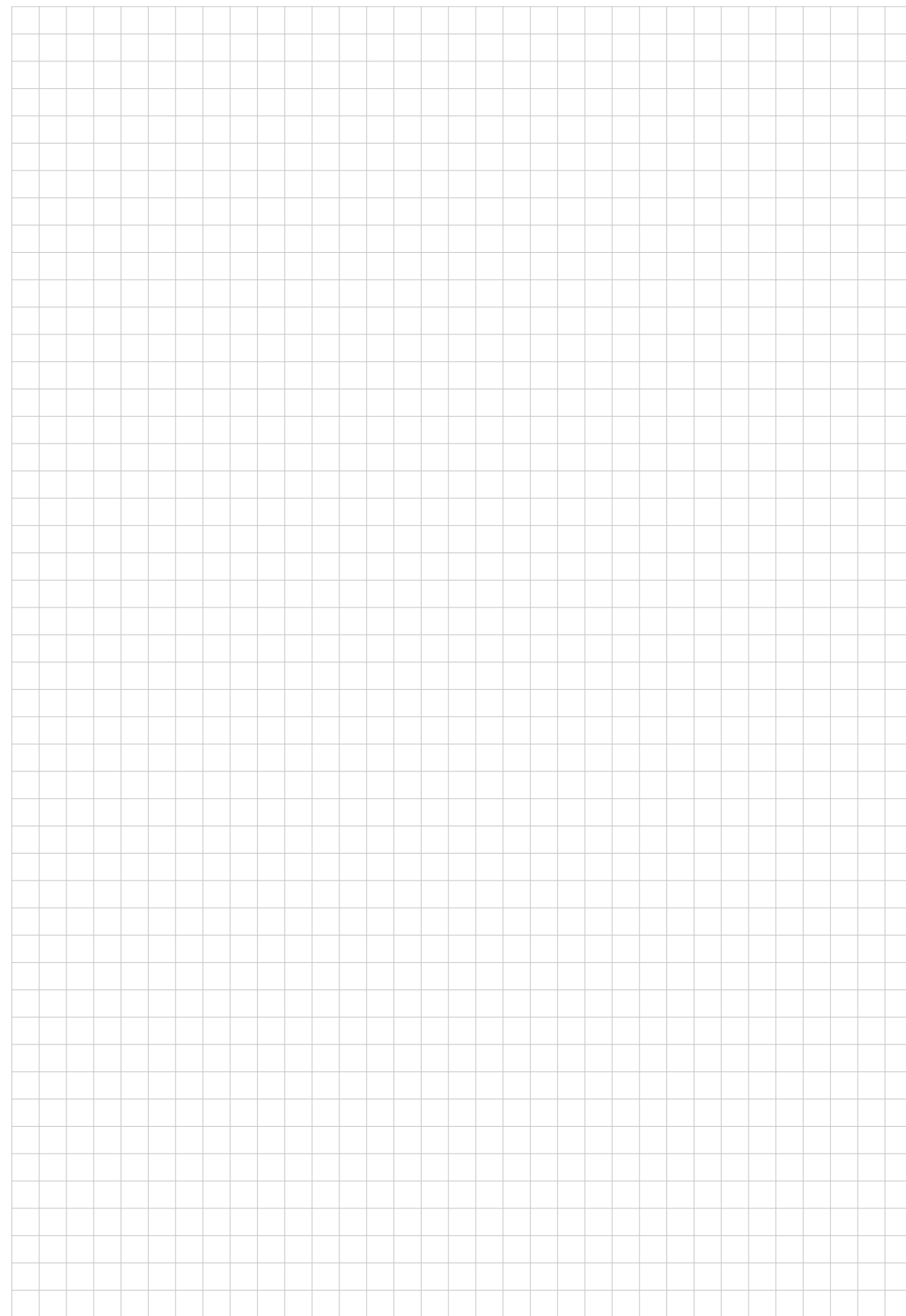
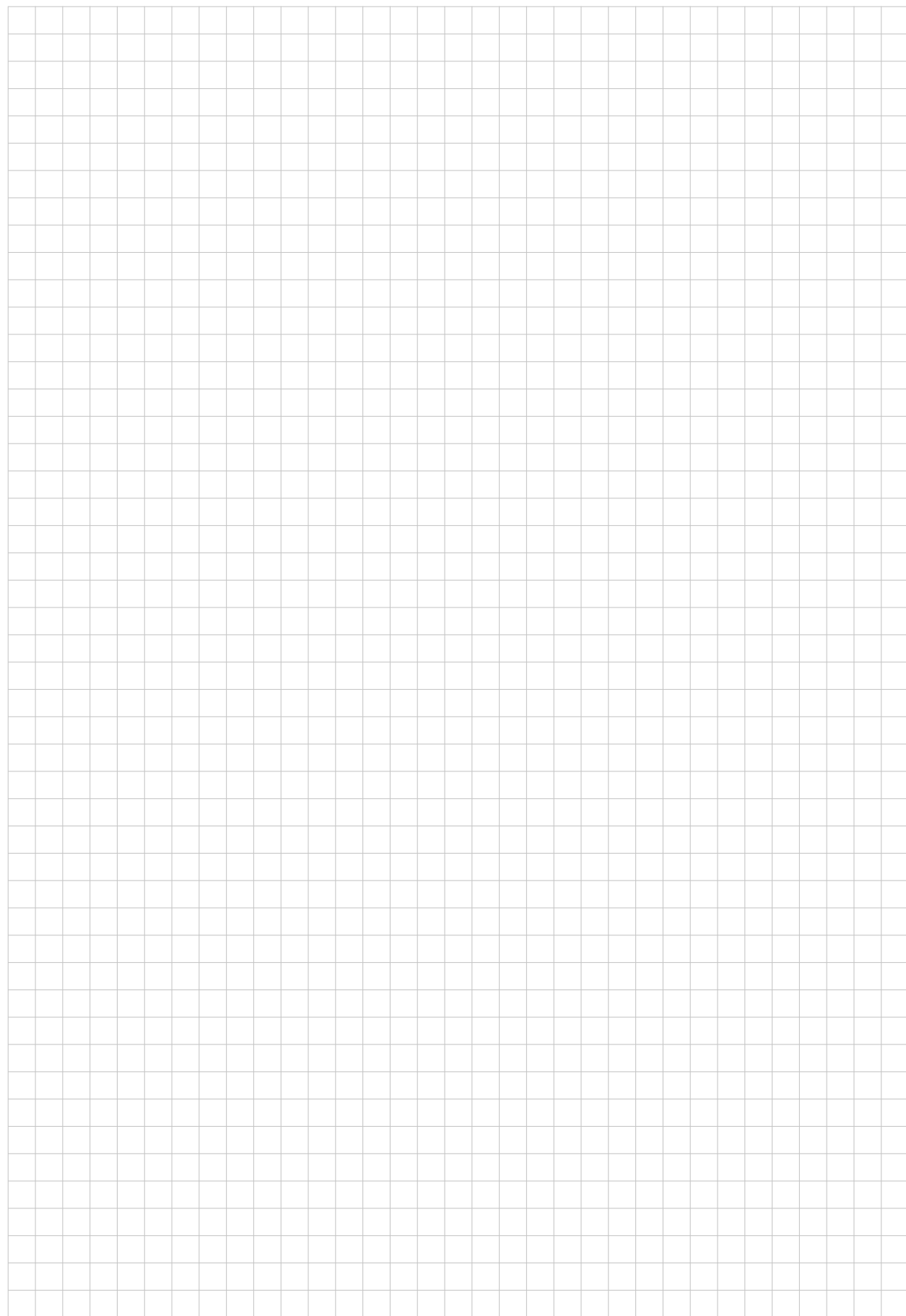
Serie	I_{PN} (A)	I_p max (A)	Type	V_c (Vdc)	I_{OUT} at I_{PN} (mA)	Accuracy at $I_{PN}/T_A = 25^\circ\text{C}$ (%)	Operating Temperature ($^\circ\text{C}$)	Mounting Type
BZHCS-LF	1,000-2,000	3,800	Closed loop	$\pm 15 \dots \pm 24$	200-500	0.2	-40...+85	C
BZHCS-LF1005	500-1,000	1,500	Closed loop	$\pm 15 \dots \pm 24$	100-200	0.2	-40...+85	C
BZHCS-SH	1,000	2,000	Closed loop	$\pm 15 \dots \pm 24$	200	0.2	-40...+85	C

HALL EFFECT VOLTAGE SENSORS



Serie	V_{PN} (V)	I_{PN} (mA)	Type	V_c (Vdc)	V_{OUT}/I_{OUT} at I_{PN}	Accuracy at $I_{PN}/T_A = 25^\circ\text{C}$ (%)	Operating Temperature ($^\circ\text{C}$)	Mounting Type
BZHVS5-25A	1,200	5	Closed loop	± 15.0	25 m A	0.5	-40...+85	A
BZHVS025A	500	10	Closed loop	± 15.0	25 m A	0.5	-40...+85	A
BZHVS-AS3.3-5	1,200	5	Closed loop	+3.3	1.65 ± 0.625 V	0.5	-40...+85	A
BZHVS-AS3.3-10	500	10	Closed loop	+3.3	1.65 ± 0.625 V	0.5	-40...+85	A







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● Development & manufacture
○ Production



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