

Customer Name	in.hub	Date Of Issue	29.11.2024
Description	Split Core Transformer	Sample Quantity	
Customer Part No.	SENS-CUR300	Customer Dwg. No.	
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H

ACKNOWLEDGMENT SPECIFICATION FOR APPROVAL

Approved by	Checked by	Checked by	Engineering

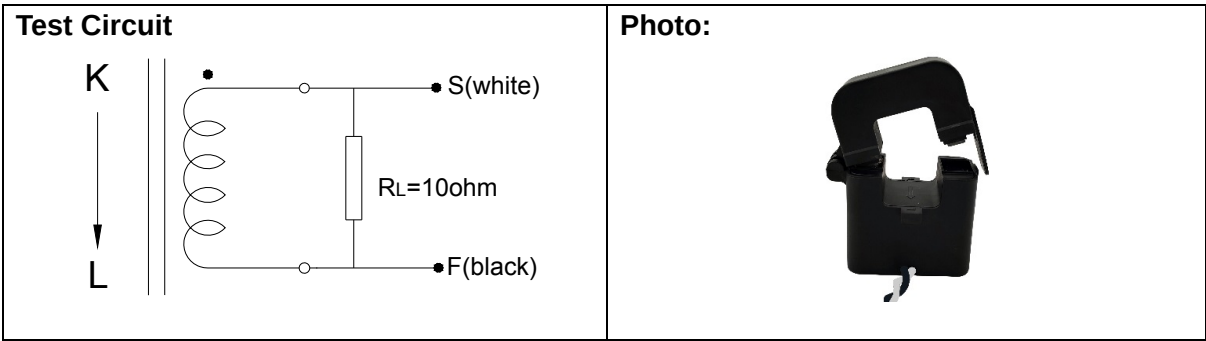
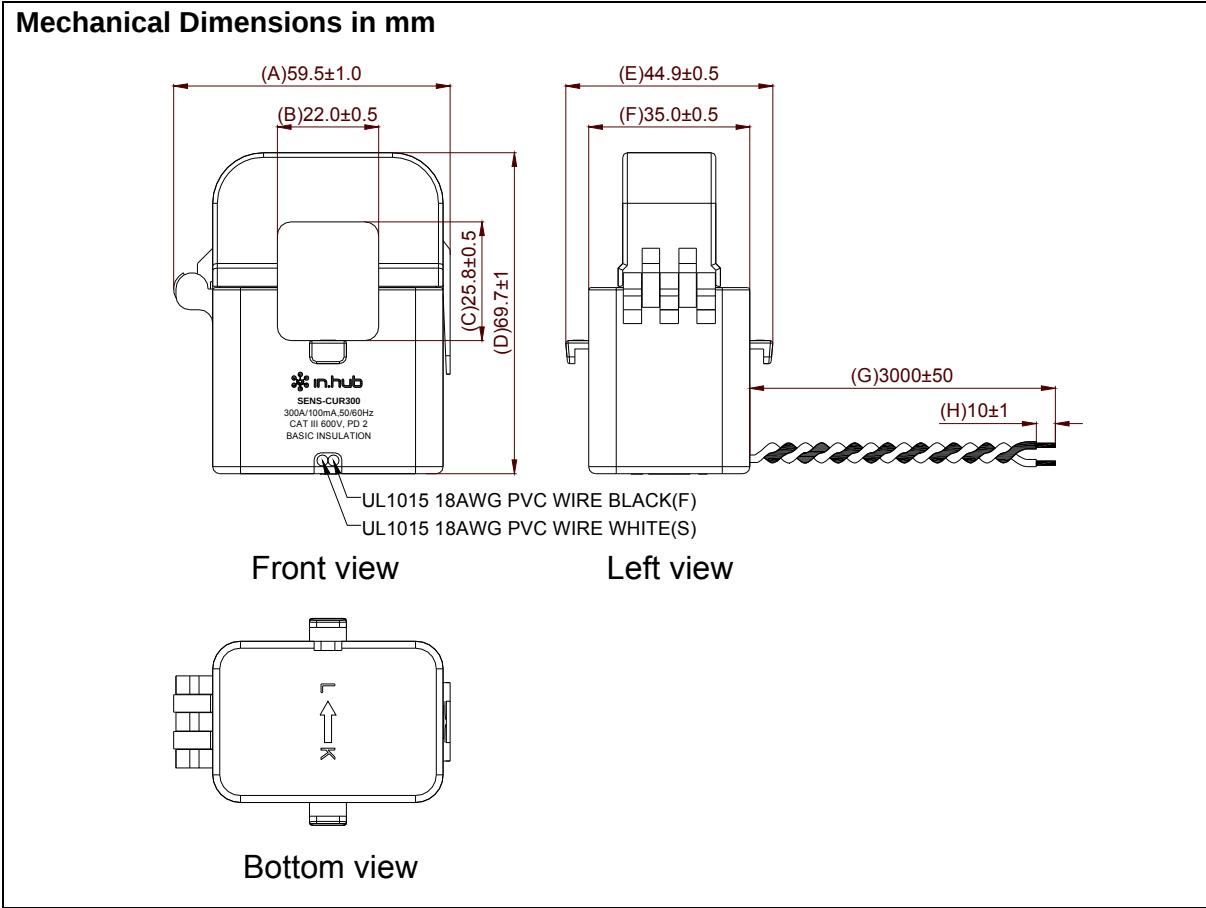
CUSTOMER APPROVED

Approved by	Checked by	Acknowledged by



RoHS COMPLIANT

Customer Part No.	SENS-CUR300	Date Of Issue	29.11.2024
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H



Customer Part No.	SENS-CUR300	Date Of Issue	29.11.2024
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H

Electrical Specifications

Rated Primary Current (Amp.) 50Hz/60Hz	300A (15-360 A max.)
Turns Ratio	Np:Ns=1:3000
Current Ratio	300A/100mA
D.C.Resistance at 20°C(Ω)	160max.
Accuracy* @RL≤10Ω	1%
Operating Temperature Range	-20~65 °C
Storage Temperature Range	-25~85 °C
Dielectric Withstanding Voltage (Hi-pot)	4KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min
Note	Insulated plastic case recognized according to UL 94-V0.
Conditions	Controlled Environment, Pollution Degree 2, Altitude up to 2000 m.

*Accuracy meets IEC/EN61869-2 & IEEE/ANSI C57.13.

Mechanical Specifications

CUP	PA66
Opening Angle	180 Degree
Output Terminal	UL1015 18AWG PVC WIRE(white&black) 105°C 600V
Approx. Weight	200g

Safety Standards

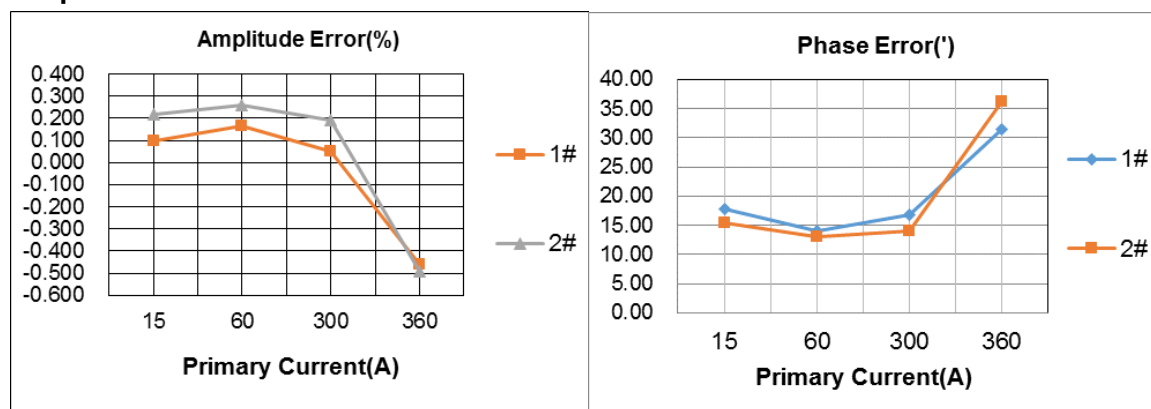
UL	UL2808-Non-Service Entrance, Basic Insulation CSA C22.2 No. 61010-1-12- CAT III 600V / CAT IV 250V
CE	EN 61869-1:2009 (LVD) EN 61869-6:2016 (LVD) EN 61326-1:2013 (EMC)
UKCA	BS EN 61869-1:2009 (EER) BS EN 61869-6:2016 (EER) BS EN 61326-1:2013 (EMC)

Customer Part No.	SENS-CUR300	Date Of Issue	29.11.2024
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H

Measuring Result ($T_A=25^{\circ}\text{C}$ @50Hz):

Current(A)		15	60	300	360	DCR(Ω)
SPEC.	$f(\%)$	± 3.0	± 1.5	± 1.0	± 1.0	160max.
	$\delta(^{\circ})$	± 180	± 90	± 60	± 60	
1#	$f(\%)$	0.100	0.165	0.050	-0.461	140.5
	$\delta(^{\circ})$	17.84	14.03	16.81	31.54	
2#	$f(\%)$	0.219	0.260	0.194	-0.493	141.8
	$\delta(^{\circ})$	15.40	13.15	14.13	36.14	
AVE	$f(\%)$	0.160	0.213	0.122	-0.477	141.2
	$\delta(^{\circ})$	16.62	13.59	15.47	33.84	
MAX	$f(\%)$	0.219	0.260	0.194	-0.461	141.8
	$\delta(^{\circ})$	17.84	14.03	16.81	36.14	
MIN	$f(\%)$	0.100	0.165	0.050	-0.493	140.5
	$\delta(^{\circ})$	15.40	13.15	14.13	31.54	

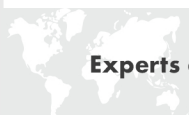
Output Curve:



Customer Part No.	SENS-CUR300	Date Of Issue	29.11.2024
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H

The instructions for installation and removal of current transformers:

- 1) Always open or disconnect circuit from power-distribution system (or service) of building before installing of servicing current sensors
- 2) The current sensors may not be field installed in the wiring space of enclosures for switches or overcurrent devices if the area of all current sensors, conductors, splices, taps and equipment at any cross section of the wiring space does not exceed 75 percent of the cross-sectional area of that space
- 3) Restrict installation of current sensor in an area where it would block ventilation openings
- 4) Restrict installation of current sensor in area of breaker arc venting
- 5) Not suitable for Class 2 wiring methods.
- 6) Secure current sensor and route conductors so that the conductors do not directly contact live terminals or bus.
- 7) **WARNING** - To reduce the risk of electric shock, always open or disconnect circuit from power-distribution system (or service) of building before installing or servicing current sensors or metering equipment.
- 8) BASIC INSULATION current transformers shall be installed on insulated conductors only and maintained away from all live parts.



Customer Part No.	SENS-CUR300	Date Of Issue	29.11.2024
Part No.	HY73-G-855RQ58-0698H-IN	Sample No.	0698H

Material List

No.	ITEM	Part No.	UL File No.	CCN	MATERIAL	NOTE
1	CORE	CRUU4500MDY0	/	/	R12K	
2	HOUSING	HSCT28B0TH00	E41797	QMFZ2/8	PA66	
3	BOBBIN	BNCT28B0TH00	E107536	QMFZ2/8	E202G15	
4	WIRE	WR018NGS2U01	E201757	OBMW2	UEWN/U	
5	LEAD WIRE	LD183050BPXH0	/	AVLV2/8	UL1015 18AWG	105°C 600V
6	SOLDER	CHSB0001XD01	/	/	Sn-0.3Ag-0.7Cu	

NOTE:

1. Initial version, based on HY73-3-755XQ57-0677H-IN and HY73-H-155XQ57H-IN (14.11.2024)
2. Add customer logo and lettering to the part and requested marking on the carton (29.11.2024)

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141
Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!



<https://sensorsandpower.angst-pfister.com/en/>
