DSS(X)858/DTS(X)858型

three-phase electronic active and reactive meter



1.Application

DSS(X)858/DTS(X)858 three-phase electronic active and reactive Combined meter. It has high-accuracy and feasibility. This product adopts low-consumption large-scale integrated circuit technical and SMT technical,and the long life component.

Static 3-phase active or reactive combined meter can replace two normal 3-phase meters. It adopts counter to measure energy which has direct indicate and easy using.

This product conforms to standard of GB/T17215.321-2008 and GB/T17215.323-2008.

2.Main technical parameter

◆specification

Model No.	Type	Reference voltage Un	Rated current In	impulse constant
DSS(X)858	3-phase 3-line	3×100V	3×1.5(6)A	Take marked impulse constant as standard
			3×3(6)A	
		3×380V	3×1.5(6)A	
			3×3(6)A	
			3×5(20)A	
			3×10(40)A	
			3×15(60)A	
			3×20(80)A	
			3×30(100)A	
DTS(X)858	3-phase 4-line	3×57.7/100V	3×1.5(6)A	
			3×3(6)A	
		3×220/380V	3×1.5(6)A	
			3×3(6)A	
			3×5(20)A	
			3×10(40)A	
			3×15(60)A	
			3×20(80)A	
			3×30(100)A	

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basic error

current		active 1.0 level		reactive 2.0 level	
direct connect	through CT	Factor cosΦ	error%	Factor cosΦ	error%
0.05Ib≤I<0.1Ib	0.02Ib≤I<0.05Ib	1	±1.5	1	±2.5
0.1Ib≤I≤Imax	0.05Ib≤I≤Imax	1	±1.0	1	±2.0
0.1Ib≤I<0.2Ib	0.05Ib≤I<0.1Ib	0.5L	±1.5	0.5L	±2.5
		0.8C	±1.5	0.8C	±2.5
0.2Ib≤I≤Imax	0.1Ib≤I≤Imax	0.5L	±1.0	0.5L	±2.0
		0.8C	±1.0	0.8C	±2.0

electrical parameter

voltage	0.9Un～1.1Un
temperature	-20℃~+50℃
relative humidity	25～95%
storage humidity	≤85%
voltage consumption	<2W

start
through current transformer: active ≤ 0.002Ib,reactive ≤ 0.003Ib
direct connect: active0.004Ib,reactive 0.005Ib

mechanical parameter

shape	273mm×173mm×73.5mm
weight	约1.7kg

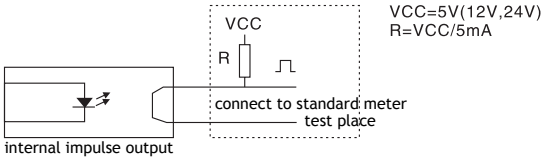
shunt running
when voltage is 115% of rated voltage and current circuit break,meter output impulse shall more than 1.

3.Main function

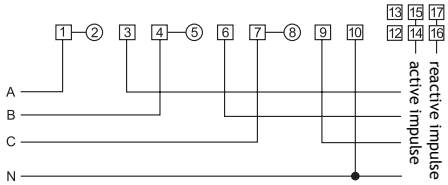
- measure function
  measure active and reactive energy. three-phase power-supply, if one or two phases power-off,the accuracy do not influenced.
- output port
  active or reactive no power-supply impulse output port with Optocoupler isolation
- phase-loss indicate
  With three light emitting tube to indicate whether the lack of phase.

4.Meter test impulse diagram

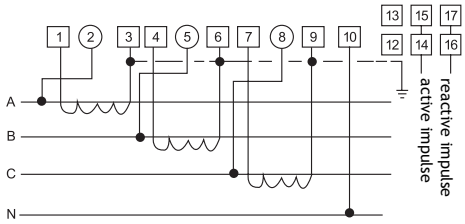
Impulse output width: 20~80ms
Terminal 14 15 is active impulse output, 15 is positive,14 is negative
Terminal 16 17 is reactive impulse output, 17 is positive,16 is negative



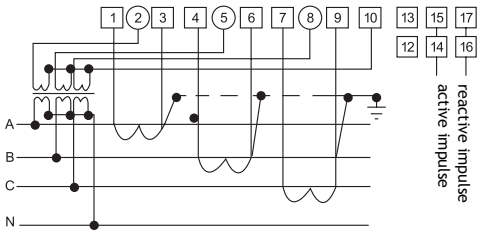
5.Connect diagram



3-phase 4-line direct connect diagram 3x220/380V



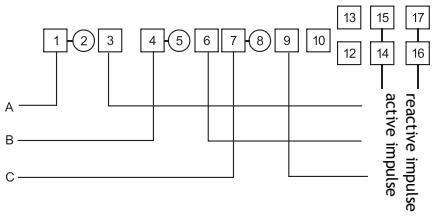
3-phase 4-line through current transformer diagram 3x220/380V



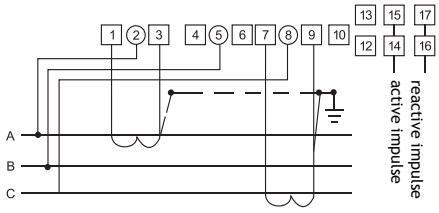
3-phase 4-line through voltage current transformer diagram 3x57.7/380V

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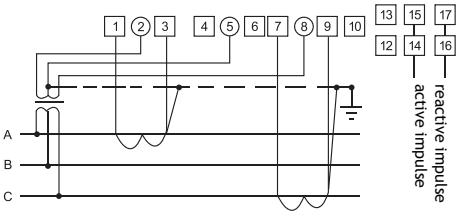
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3-phase 3-line direct connect diagram 3x380V

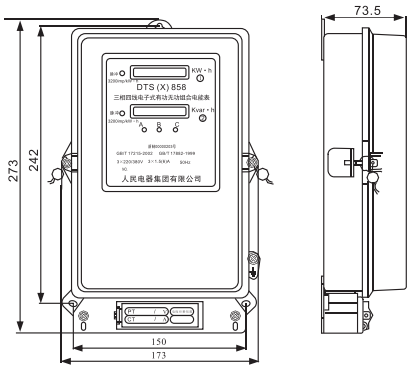


3-phase 3-line through current transformer diagram 3x380V



3-phase 3-line through current transformer diagram 3x100V

6.Shape dimension



shape