

**Three-phase control isolating safety transformer, 0.1 kVA, Rated input voltage 50 – 950 ± 5 % V, Rated output voltage 18.5 – 1000 V**

**Part no. DTZ0,1(\*/\*)\*  
914799**

<b>General specifications</b>	
Product name	Eaton Moeller® series DTZ Control transformer
Part no.	DTZ0,1(*/*)*
Product Length/Depth	65 millimetre
Product height	134 millimetre
Product width	125 millimetre
Product weight	1.9 kilogram
Certifications	UL 5085-2 UL 506 CE IEC/EN 61558-2-2 UL Recognized UL report applies to both US and Canada CSA-C22.2 No. 66.2-06 Certified by UL for use in Canada UL Category Control No.: XPTQ2, XPTQ8 UL5085-1 CSA-C22.2 No. 66.1-06 UL File No.: E167225 CSA-C22.2 No. 66
Product Tradename	DTZ
Product Type	Control transformer
Product Sub Type	None
<b>General information</b>	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Degree of protection	IP00 NEMA Other
Product category	Three-phase DTZ control transformers
Suitable for	Branch circuits, (UL/CSA)
<b>Electrical rating</b>	
Rated power	100 V-A
Relative short-circuit voltage	15 %
Short-time rating	0.2 kV-A
Voltage rating - max	600 V
<b>Design verification</b>	
Equipment heat dissipation, current-dependent P <sub>vid</sub>	0 W
Heat dissipation capacity P <sub>diss</sub>	0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>	0 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )	0 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>	33 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Three-phase control transformer (EC002485)		
Electric engineering, automation, process control engineering / Transformer, converter, coil / Control transformer / Three-phase control transformer (ecI@ss13-27-03-13-01 [AAB619020])		
Built as safety transformer		Yes
Built as isolating transformer		Yes
Built as energy saving transformer		No
Primary voltage 1	V	50 - 950
Primary voltage 2	V	50 - 950
Primary voltage 3	V	50 - 950
Primary voltage 4	V	50 - 950
Primary voltage 5	V	50 - 950
Primary voltage 6	V	50 - 950
Primary voltage 7	V	0 - 0
Primary voltage 8	V	0 - 0
Primary voltage 9	V	0 - 0
Primary voltage 10	V	0 - 0
Secondary voltage 1	V	18.5 - 1000
Secondary voltage 2	V	18.5 - 1000
Secondary voltage 3	V	18.5 - 1000
Secondary voltage 4	V	18.5 - 1000
Secondary voltage 5	V	18.5 - 1000
Secondary voltage 6	V	18.5 - 1000
Secondary voltage 7	V	0 - 0
Secondary voltage 8	V	0 - 0
Secondary voltage 9	V	0 - 0
Secondary voltage 10	V	0 - 0
Wiring system		Other
Rated power	VA	100
Type of insulation material according to IEC 85		B
Short-circuit-proof		No
Relative short circuit voltage	%	15
Conductor material		Copper
Width	mm	125
Height	mm	134
Depth	mm	65
Degree of protection (IP)		IP00
Degree of protection (NEMA)		Other