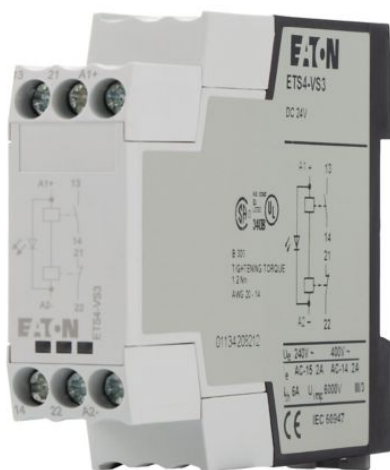


Specifications



Eaton 083094

Eaton Moeller® series Amplifier module, for separate mounting

General specifications

PRODUCT NAME	Eaton Moeller® series amplifier module
CATALOG NUMBER	083094
MODEL CODE	ETS4-VS3
EAN	4015080830948
PRODUCT LENGTH/DEPTH	103 mm
PRODUCT HEIGHT	83 mm
PRODUCT WIDTH	23 mm
PRODUCT WEIGHT	0.1 kg
CERTIFICATIONS	<p>CSA Class No.: 2411-03, 3211-04</p> <p>CSA file No. 012528</p> <p>IEC/EN 60947-4-1</p> <p>UL 508</p> <p>CSA-C22.2 No. 14-05</p> <p>CE marking</p> <p>IEC/EN 60947</p> <p>VDE 0660</p> <p>UL</p> <p>CSA</p> <p>UL Category Control No.: NKCR</p> <p>UL File No.: E29184</p> <p>UL Listed</p> <p>CSA certified</p>
CATALOG NOTES	Contactor coils with rated operational current > 2 A must be actuated via the DILER-G mini contactor relay.
GLOBAL CATALOG	083094

Product specifications

USED WITH	DILM DILMP DILL DILK DILMF
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.
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

Resources

CATALOGS	SmartWire-DT Catalog Product Range Catalog Switching and protecting motors eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DRAWINGS	eaton-timers-contactor-etr4-timing-relay-dimensions.eps eaton-contactors-amplifier-module-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.ETS4-VS3
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MCAD MODEL	DA-CD-ets4_vs3 DA-CS-ets4_vs3
PEP ECO-PASSPORT	eaton-accessory-declaration-of-conformity-eu250803en.pdf
WIRING DIAGRAMS	eaton-amplifier-module-wiring-diagram.eps

	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.
FITTED WITH:	LED indication
POLLUTION DEGREE	2
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6 kV
ACCESSORY/SPARE PART TYPE	Other
SCREWDRIVER SIZE	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
VOLTAGE TYPE	DC
DEGREE OF PROTECTION	IP20
MOUNTING POSITION	As required
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE	45 °C

(ENCLOSED) - MAX	
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	6 A
RATED ACTUATING CURRENT (IC)	25 mA
COIL VOLTAGE	24 VDC
OVERVOLTAGE CATEGORY	III
CONTROL CIRCUIT RELIABILITY	$\lambda < 1/10^8$ (1 failure at 100,000,000 operations for $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA)
DUTY FACTOR	100 %
TERMINAL CAPACITY	1 x (0.75 - 2.5) mm ² , solid 2 x (0.75 - 2.5) mm ² , solid 1 x (0.75 - 2.5) mm ² , flexible with ferrule 16 - 14 AWG, solid or stranded Only use equal cross-sections.
MOUNTING METHOD	DIN rail
SCREW SIZE	M3.5, Terminal screw
LIFESPAN	30,000,000 mechanical Operations (DC operated)
RATED OPERATIONAL CURRENT (IE)	2 A
SHOCK RESISTANCE	10 g, N/O contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
TIGHTENING TORQUE	1.2 Nm, Screw terminals
RATED INSULATION VOLTAGE (UI)	400 VAC
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	2 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	2 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.03 A
RATED OPERATIONAL	400 V

**VOLTAGE (UE) AT AC -
MAX**

**STATIC HEAT
DISSIPATION, NON-
CURRENT-DEPENDENT
PVS**

0.6 W

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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