					Products Digita
DIL CONTACTORS 278161		Overview	Specifications	Resources	How t
	Photo is representative		Eaton I kW, 23	3161 Moeller® series DIU 30 V 50 Hz, 240 V 60 H WIN-WIN with Push- How to improve wiring	in Terminals

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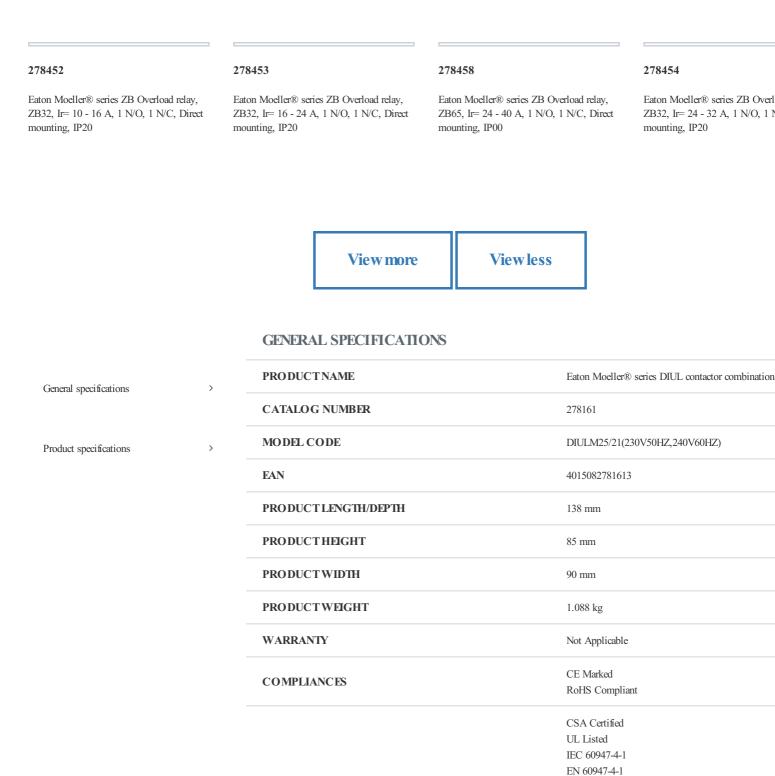
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## Designed to work together

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CERTIFICATIONS

CE

UL

CSA

UL 60947-4-1

UL File No.: E29096 IEC/EN 60947-4-1

CSA-C22.2 No. 60947-4-1-14

UL Category Control No.: NLDX

## PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificati must be observed.
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	11 kW
OPERATING VOLTAGE AT AC, 50 HZ - MAX	690 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	230 V
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specificati must be observed.
NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT	0
AMPERAGE RATING	25A
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
RATED OPERATIONAL POWER (NEMA)	11 kW
OPERATING VOLTAGE AT DC - MAX	0 V
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	0 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	230 V
FREQ UENCY RATING	60 Hz
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)	6
OPERATING TEMPERATURE	-25° to 60°C
TERMINALS	Screw terminals
OPERATING VOLTAGE AT DC - MIN	0 V
HP RATING - MAX	2, 3/5, 5, 10, 15 hp (1/3PH @120, 240/208, 240,
AMBIENT OPERATING TEMPERATURE - MAX	60 °C

FEATURES	Mechanical interlock
STATIC HEAT DISSIPATION, NON-CURRENT- DEPENDENT PVS	2.1 W
ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT	Screw connection
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V
NUMBER OF POLES	Three-pole
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
UTILIZATION CATEGORY	AC-3: Normal AC induction motors: starting, swite AC-4: Normal AC induction motors: starting, plug inching
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
COIL VOLTAGE	240 Vac, 60 Hz
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
OPERATING VOLTAGE AT AC, 50 HZ - MIN	24 V
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the initial instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.8 W
APPLICATION	Contactor combinations for starting motors with two rotation
ACTUATING VOLTAGE	230 V 50 Hz, 240 V 60 Hz
VOLTAGE TYPE	AC
PRODUCT CATEGORY	Contactor combinations
OPERATING TEMPERATURE - MIN	-25 °C
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	14 kW
EQ UIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	5.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
SUITARI E FOR	Also motors with officiancy class IE2

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OPERATION	Reversing contactor
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
CONTINUOUS AMPERE RATING	25 A
POWER CONSUMPTION	11 kW
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
OPERATING TEMPERATURE - MAX	60 °C
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
<b>VOLTAGE RATING</b>	400 V
OPERATING VOLTAGE AT AC, 60 HZ - MAX	690 V
NUMBER OF CONTACTS	2 NO 1 NC
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP00 NEMA Other
RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ	3.5 kW
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
VOLTAGE TYPE OF OPERATING VOLTAGE	AC
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	240 V
RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V	25 A
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
CONNECTION	Screw terminals
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Reversing safety
OPERATING VOLTAGE AT AC, 60 HZ - MIN	24 V
RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ	8.5 kW
FRAME SIZE	45 mm
SERIES	XT IEC
DUTY FACTOR	100 %
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ТҮРЕ	Full voltage reversing contactor
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	25 A
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	2

Catalogs

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

System overview

Wiring diagrams

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