

D

C

B

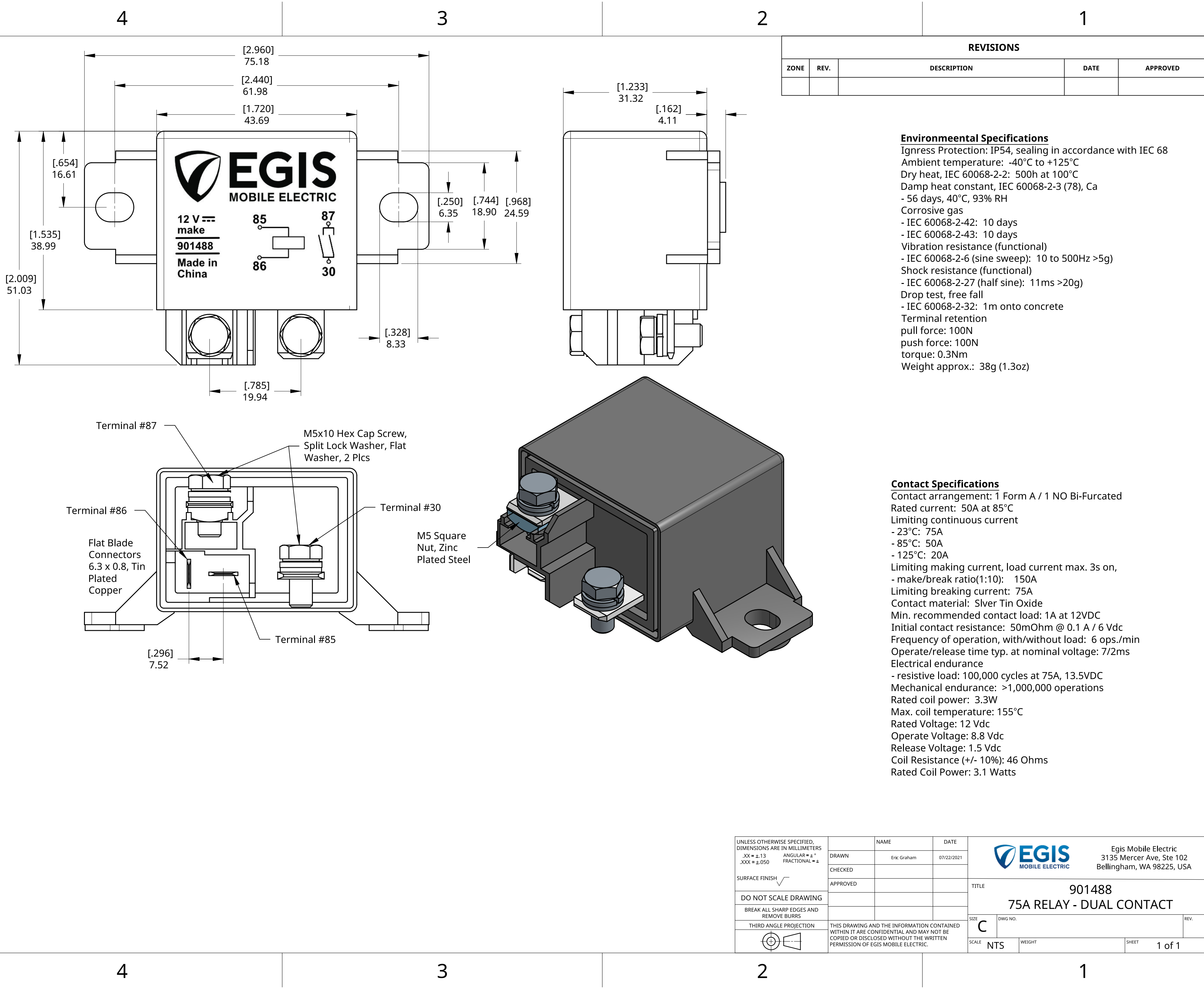
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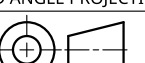
A



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

Environmeental Specifications
Ignress Protection: IP54, sealing in accordance with IEC 68
Ambient temperature: -40°C to +125°C
Dry heat, IEC 60068-2-2: 500h at 100°C
Damp heat constant, IEC 60068-2-3 (78), Ca
- 56 days, 40°C, 93% RH
Corrosive gas
- IEC 60068-2-42: 10 days
- IEC 60068-2-43: 10 days
Vibration resistance (functional)
- IEC 60068-2-6 (sine sweep): 10 to 500Hz >5g)
Shock resistance (functional)
- IEC 60068-2-27 (half sine): 11ms >20g)
Drop test, free fall
- IEC 60068-2-32: 1m onto concrete
Terminal retention
pull force: 100N
push force: 100N
torque: 0.3Nm
Weight approx.: 38g (1.3oz)

Contact Specifications
Contact arrangement: 1 Form A / 1 NO Bi-Furcated
Rated current: 50A at 85°C
Limiting continuous current
- 23°C: 75A
- 85°C: 50A
- 125°C: 20A
Limiting making current, load current max. 3s on,
- make/break ratio(1:10): 150A
Limiting breaking current: 75A
Contact material: Silver Tin Oxide
Min. recommended contact load: 1A at 12VDC
Initial contact resistance: 50mOhm @ 0.1 A / 6 Vdc
Frequency of operation, with/without load: 6 ops./min
Operate/release time typ. at nominal voltage: 7/2ms
Electrical endurance
- resistive load: 100,000 cycles at 75A, 13.5VDC
Mechanical endurance: >1,000,000 operations
Rated coil power: 3.3W
Max. coil temperature: 155°C
Rated Voltage: 12 Vdc
Operate Voltage: 8.8 Vdc
Release Voltage: 1.5 Vdc
Coil Resistance (+/- 10%): 46 Ohms
Rated Coil Power: 3.1 Watts

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS .XX = ±.13 ANGULAR = ± .XXX = ±.050 FRACTIONAL = ±		NAME		DATE		 Egis Mobile Electric 3135 Mercer Ave, Ste 102 Bellingham, WA 98225, USA			
SURFACE FINISH  DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS THIRD ANGLE PROJECTION 		DRAWN		Eric Graham				07/22/2021	
		CHECKED							
		APPROVED							
TITLE						901488			
75A RELAY - DUAL CONTACT									
SIZE		DWG NO.				REV.			
C									
SCALE		NTS		WEIGHT		SHEET			
						1 of 1			