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REVISIONS

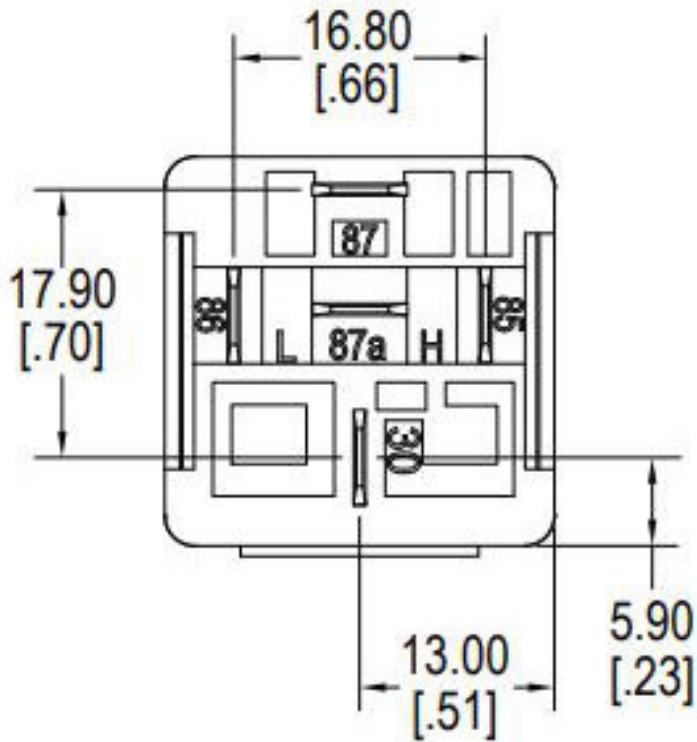
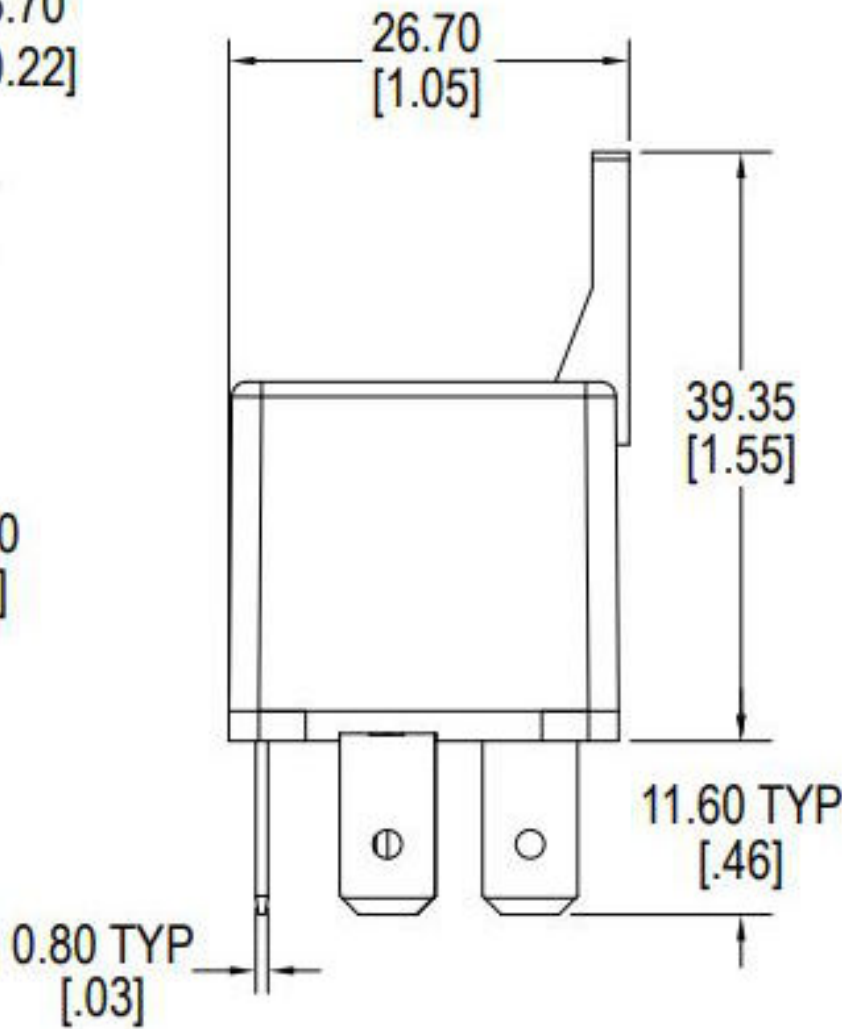
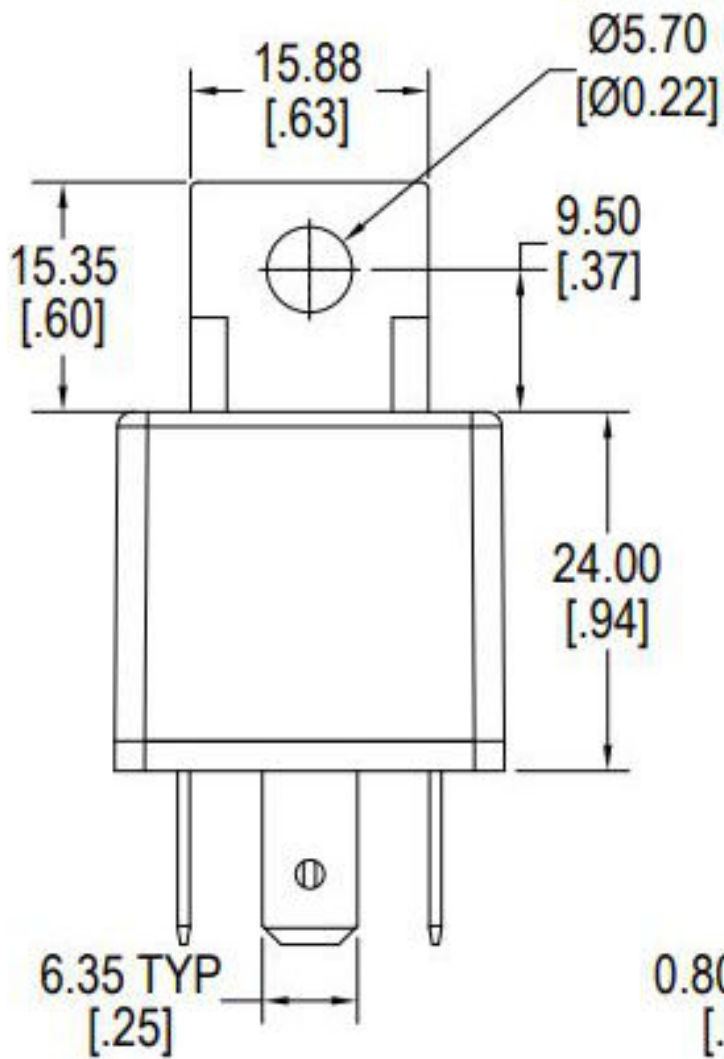
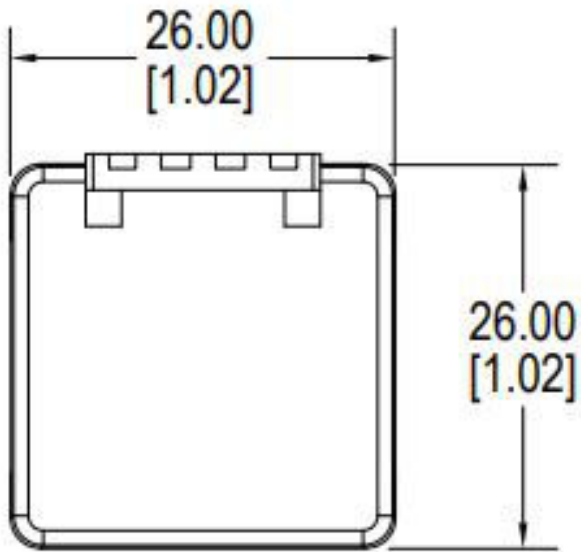
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	RELEASE FOR PRODUCTION	3/9/22	

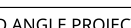
Environmeental Specifications

Ignress Protection: IP54, sealing in accordance with IEC 68
Ambient temperature: -40°C to +125°C
Storage temperature: -40°C to +155°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
Weight approx.: 31g (1.3oz)

Contact Specifications

Contact arrangement: 1 Form C / 1 NO/NC
Rated current: 40A at 85°C
Limiting continuous current
- 85°C Ambient: 40A
- 125°C Ambient: 30A
Limiting making current, load current max. 3s on,
- make/break ratio(1:10): 40A
Limiting breaking current: 40A
Contact material: Slver Tin Oxide
Min. recommended contact load: 0.5A at 12VDC
Initial contact resistance: 30mOhm @ 0.25 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 40A, 13.5VDC
Mechanical endurance: >1,000,000 operations
Max. coil temperature: 155°C
Rated Coil Voltage: 12 Vdc
Operate Voltage: 8.8 Vdc
Release Voltage: 1.5 Vdc
Coil Resistance (+/- 10%): 24 Ohms
Rated Coil Power: 1.6 Watts
Maximum Contact Voltage: 75 Vdc



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 	DRAWN	Eric Graham	07/25/2022			
	CHECKED					
	APPROVED					
DO NOT SCALE DRAWING				TITLE 901770 40A/12V RELAY - FORM C		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
THIRD ANGLE PROJECTION	THIS DRAWING AND THE INFORMATION CONTAINED WITHIN IT ARE CONFIDENTIAL AND MAY NOT BE COPIED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF EGIS MOBILE ELECTRIC.			SIZE	DWG NO.	REV.
				C		
	SCALE	NTS	WEIGHT	SHEET	1 of 1	