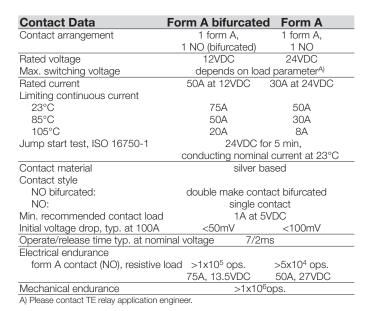


## **High Current Relay 75**

- Limiting continuous current 75A at 23°C
- Current switching ability up to 150A
- Suitable for voltage levels up to 24VDC
- Minimal contact resistance
- **■** Dustproof versions

### Typical applications

Engine control, glow plug, heated front- and rear - screen, preheating systems (e.g. for diesel engines, catalytic converters), switches for loading ramps, power distribution (clamp15)



Coil Data	Form A bifurcated	Form A		
Rated coil voltage	12/24VDC			
Rated coil power	3.1W	4.4W		
Max. coil temperature	155°(			

### Coil versions, DC coil

	,	••					
Coil	Rated	Operate	Release	Coil	Rated coil		
code	voltage	voltage	voltage	resistance	power		
	VDC	VDC	VDC	Ω±10%	W		
0001	12	8.8	1.5	46	3.1		
0002	24	19.0	1.0	130	4.4		

All figures are given for coil without pre-energization, at ambient temperature +23°C



Other Data	
Ambient temperature	-40°C to +125°C
Climatic cycling with condensation,	
EN ISO 6988	6 cycles, storage 8/16h
Damp heat cyclic,	
IEC 60068-2-30, Db, Variant 1	6 cycles, upper air temp. 55°C
Damp heat constant, IEC 60068-2-3	, Ca 56 days
Degree of protection	
dustproof:	IP54 (IEC 60529), RT I (IEC 61810)
sealed:	sealing in accordance with IEC 68
immersion cleanable:	IP67 (IEC 60529), RT III (IEC 61810)
Corrosive gas	
IEC 60068-2-42	10 days, 10 +/- 2cm <sup>3</sup> /m <sup>3</sup> SO <sub>2</sub>
IEC 60068-2-43	10 days, 1 +/- 0.3cm <sup>3</sup> /m <sup>3</sup> H <sub>2</sub> S
Vibration resistance (functional)	
IEC 60068-2-6 (sine sweep)	10-500Hz, > 5g <sup>1)</sup>
Shock resistance (functional)	
IEC 60068-2-27 (half sine)	11 ms >20g <sup>1)</sup>
Cover retention	
pull force	200N
push force	200N
Terminal retention	
pull force	100N
push force	100N
torque	0.3Nm
Weight	38g (1.3oz)
Packaging unit	50 pcs.
4) 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

1) No change in the switching state  $>10\mu s$ .

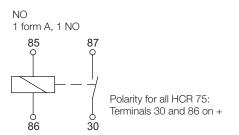
# Initial dielectric strength between contact and coil Load dump test ISO 7637-1 (12VDC), test pulse 5 ISO 7637-2 (24VDC), test pulse 5 Vs=+86.5VDC Vs=+200VDC NOT the LATEST

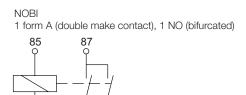


# High Current Relay 75 (Continued)

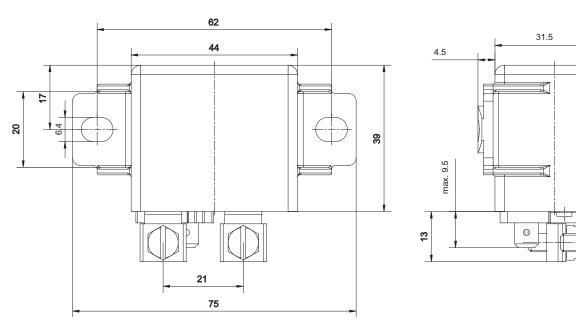
86

### **Terminal Assignment**



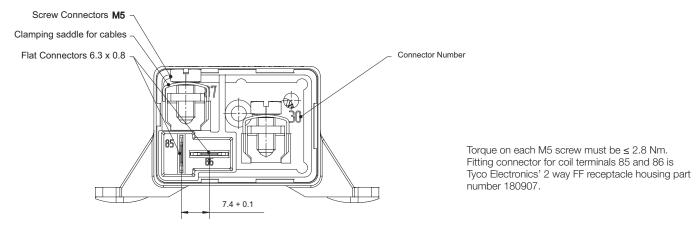


### **Dimensions**



### View of the terminals

Bottom view





# Automotive Relays High Current Devices

# High Current Relay 75 (Continued)

Prod	uct co	de structure			Typical product code	V23232	-A	0001	-X001
Туре	V0000	O Library Delevinos				1			
	V2323	2 High Current Relay 75							
Conta	ct arra	ngement							
	Α	1 form A, 1 NO	D	1 form A, 1 NO (bifurcated)					
Coil								-	
	0001	12VDC	0002	24VDC					
Contact arrangement index									
	X001 1 form A, 1 NO at 12VDC (bifurcated)								
	X008	1 form A, 1 NO at 24VDC							

Product code	Arrangement	Coil	Circuit	Coil suppr.	Protection (	Cont. material	Terminals	Part number
V23232-D0001-X001	1 form A, 1 NO (bif.)	12VDC	NOBI		IP54	Silver based	Screw	1904000-1
V23232-A0002-X008	1 form A. 1 NO	24VDC	NO					1904001-4

This list represents the most common types and does not show all variants covered by this datasheet. Other types on request.

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PCN-105D3MH,000 59641F200 5JO-1000CD-SIL LY1SAC110120 5X827E 5X837F 5X840F 5X842F 5X848E LY2N-AC120 LY2S-AC220/240 LY2-US-AC120 LY3-US-AC120 LY4F-UA-DC12 LY4F-UA-DC24 LY4F-US-AC120 LY4F-US-AC240 LY4F-US-DC24 LY4F-VD-AC110 LYQ20DC12 M115C60 M115N010 M115N0150 6031007G 603-12D 61211T0B4 61212T400 61222Q400 61243B600 61243C500 61243Q400 61311BOA2 61311BOA6 61311BOA8 61311COA2 61311COA1 61311COA6 61311F0A2 61311QOA1 61311QOA4 61311T0D6 61311TOA6 61311TOA7 61311TOB3 61311TOB4 61311U0A6 61312Q600 61312T400 61312T600 61313U200