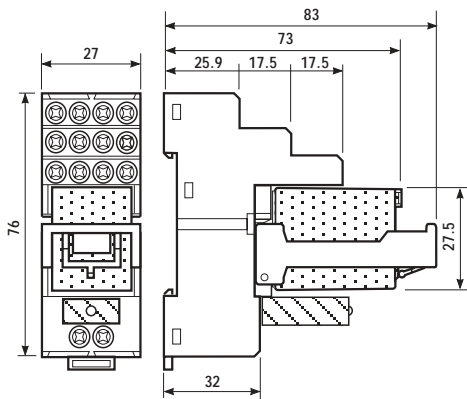


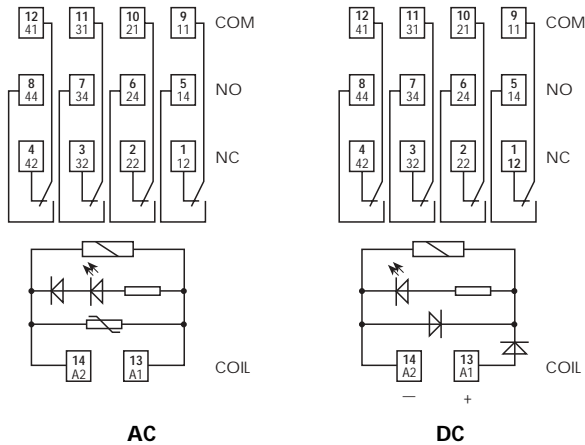
- Relay interface modules for use with PLC systems, 27mm wide
- AC and DC versions available
- Supply status indication and coil suppression module provided
- Identification label
- 35 mm rail (EN 50022) mounting



## 58.34



- 4 pole, 5 A
- 35 mm rail mounting



Contact specifications		
Contact configuration		4 CO
Rated current/Maximum peak current	A	5/10
Rated voltage/Maximum switching voltage	V AC	250/250
Rated load in AC1	VA	1,250
Rated load in AC15 (230 VAC)	VA	250
Single phase motor rating (230 VAC)	kW	0.125
Breaking capacity in DC1: 30/110/220V	A	5/0.25/0.12
Minimum switching load	mW (V/mA)	300 (5/5)
Standard contact material		AgNi
Coil specifications		
Nominal voltage ( $U_N$ )	V AC (50/60 Hz)	12 - 24 - 48 - 110 - 120 - 230
	V DC	12 - 24 - 48
Rated power AC/DC	VA (50 Hz)/W	1.5/1
Operating range	AC (50 Hz)	$(0.8 \dots 1.1) U_N$
	DC	$(0.8 \dots 1.1) U_N$
Holding voltage	AC/DC	$0.8 U_N / 0.5 U_N$
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$
Technical data		
Mechanical life AC/DC	cycles	$20 \cdot 10^6 / 50 \cdot 10^6$
Electrical life at rated load AC1	cycles	$150 \cdot 10^3$
Operate/release time (bounce included)	ms	10/20
Insulation according to EN 61810-5		3.6 kV/2
Insulation between coil and contacts (1.2/50µs)	kV	3.6
Dielectric strength between open contacts	V AC	1,000
Ambient temperature range	°C	-40...+70
Protection category		IP 20
Approvals (relay): (according to type)		

## ORDERING INFORMATION

Example: a 58 series 35 mm rail (EN 55022) mounting interface module, 4 CO, 24 V DC coil with green LED + diode.

	<b>5 8 . 3 4 . 9 . 0 2 4 . 0 0 5 0</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Series</b>		<b>A: Contact material</b>	<b>B: Contact circuit</b>	<b>C: Options</b>	<b>D: Special versions</b>
<b>Type</b> 3 = 35mm rail mount		0 = AgNi Standard	0 = CO	5 = Standard DC: green LED + diode (polarity +A1) 6 = Standard AC: green LED + varistor	0 = Standard
<b>No. of poles</b> 4 = 4 pole, 5 A					
<b>Coil version</b> 8 = AC (50/60 Hz) 9 = DC					
<b>Coil voltage</b> see coil specifications					

## TECHNICAL DATA

### INSULATION

INSULATION according to EN 61810-5	insulation rated voltage	V	250
	rated impulse withstand voltage	kV	3.6
	pollution degree		2
	overvoltage category		III

### IMMUNITY

CONDUCTED DISTURBANCE IMMUNITY	BURST (according to EN 61000-4-4) level 4 (4kV)
	SURGE (according to EN 61000-4-5) level 4 (4kV)

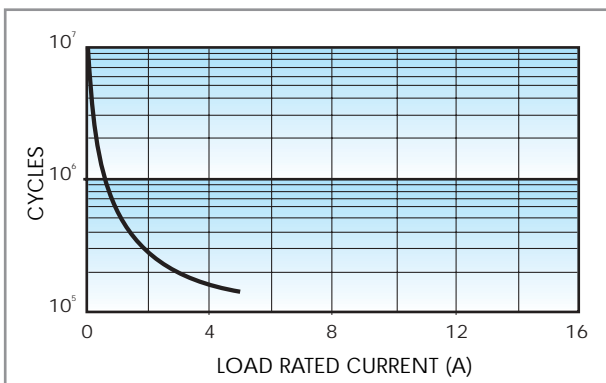
### OTHER DATA

58

VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	6/6
POWER LOST TO THE ENVIRONMENT	without contact current	W
	with rated current	W
WIRE STRIP LENGTH	mm	8
⊕ SCREW TORQUE	Nm	0.5
MAX WIRE SIZE		solid cable
		stranded cable
	mm <sup>2</sup>	1x6 / 2x2.5
	AWG	1x10 / 2x14

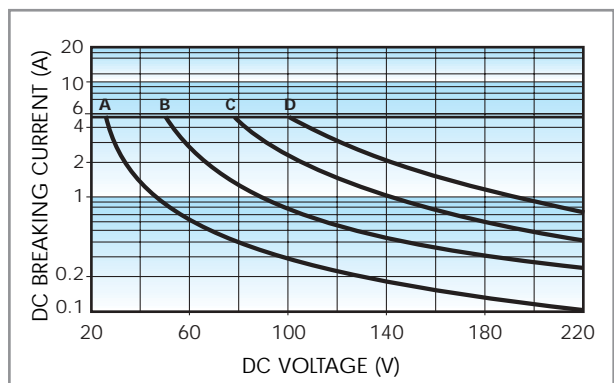
## CONTACT SPECIFICATIONS

### F 58



Contact life vs AC1 load.

### H 58



Breaking capacity for DC1 load.

- A** = Load applied to 1 contact;
- B** = Load applied to 2 contacts in series
- C** = Load applied to 3 contacts in series;
- D** = Load applied to 4 contacts in series

- When switching a resistive load (DC1) having voltage and current values under the curve the expected electrical life is  $\geq 100 \cdot 10^3$  cycles.

- In case of DC13 loads the connection of a diode in parallel with the load will permit the same electrical life as for a DC1 load.

**Note:** the release time of load will be increase.

## COIL SPECIFICATIONS

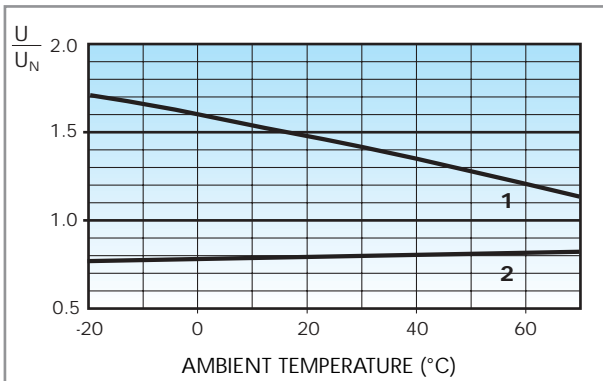
### AC VERSION DATA

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil absorption I at $U_N$ (50Hz) mA
		$U_{min}$ V	$U_{max}$ V		
12	8.012	9.6	13.2	50	97
24	8.024	19.2	26.4	190	53
48	8.048	38.4	52.8	770	25
110	8.110	88	121	4,000	12.5
120	8.120	96	132	4,700	12
230	8.230	184	253	17,000	6

### DC VERSION DATA

Nominal voltage $U_N$ V	Coil code	Operating range		Resistance R $\Omega$	Rated coil absorption I at $U_N$ mA
		$U_{min}$ V	$U_{max}$ V		
12	9.012	9.6	13.2	140	86
24	9.024	19.2	26.4	600	40
48	9.048	38.4	52.8	2,400	20

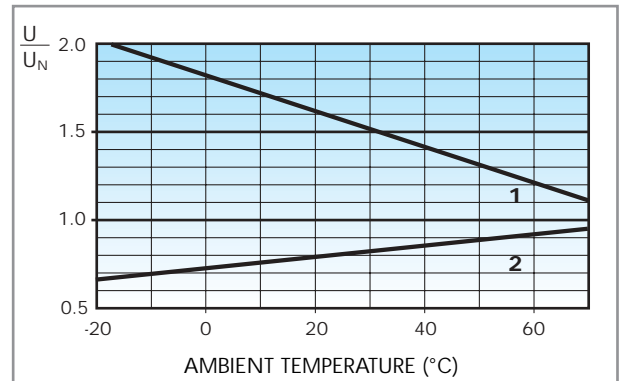
### R 58 AC



Operating range (AC type) vs ambient temperature.

- 1 - Max coil voltage permitted.
- 2 - Min pick-up voltage with coil at ambient temperature.

### R 58 DC



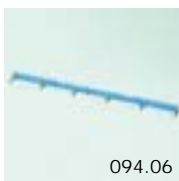
Operating range (DC type) vs ambient temperature.

- 1 - Max coil voltage permitted.
- 2 - Min pick-up voltage with coil at ambient temperature.

## COMBINATIONS

Code	Type of Socket	Type of Relay	Module	Retaining Clip
58.34	94.04	55.34	99.02	094.01

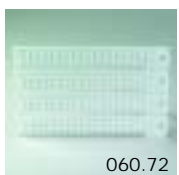
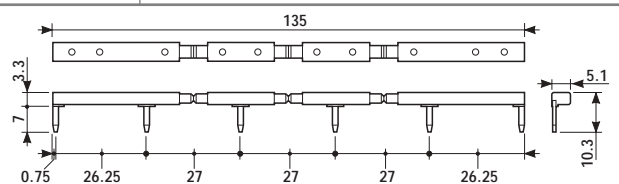
## ACCESSORIES



094.06

- RATED VALUES: 10 A - 250 V

6-way jumper link for 58 series	094.06
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060.72

Sheet of marker tags (72 tags)	060.72
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## PACKAGING CODES

How to code and identify retaining clip and packaging options for relay interface module.

Code options according to the last three letters:

**5 8 3 4 9 0 2 4 0 0 5 0 S P A**

**A** Standard packaging  
**B** Blister packaging

**SP** Plastic retaining clip