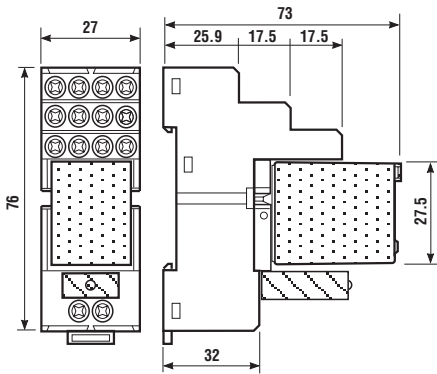


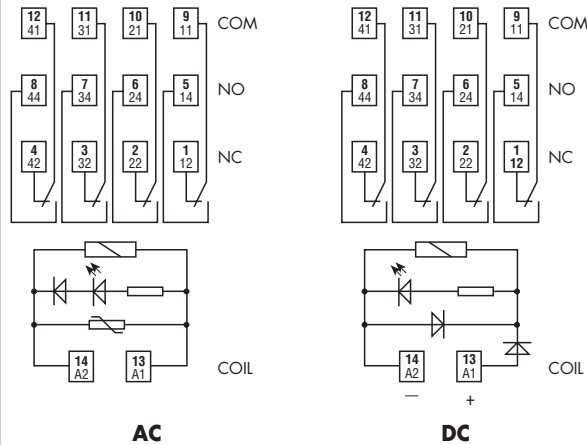
- Relay interface modules for use with PLC systems, 27mm wide
- AC and DC versions available
- Supply status indication or coil protection module provided
- Identification label
- 35 mm rail (EN 50022) mounting



58.34



- 4 pole
- 35 mm rail (EN 50022) mounting



AC

DC

Contact specifications		
Contact configuration		4 CO (4PDT)
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/HP	0.125/0.2
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...1.1)U _N
	DC	(0.8...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 · 10 ⁶ /50 · 10 ⁶
Electrical life at rated load AC1	cycles	150 · 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 strenght 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 (4PDT), 24 V DC coil with green LED + diode.

5 8 . 3 4 . 9 . 0 2 4 . 0 0 5 0

Series ————
Type ————
 3 = 35mm rail mount
No. of poles ————
 4 = 4 CO (4PDT), 5 A
Coil version ————
 8 = AC (50/60 Hz)
 9 = DC
Coil voltage ————
 see coil specifications

A: Contact material
 0 = AgNi Standard
B: Contact circuit
 0 = Standard

D: Special applications
 0 = Standard
C: Options
 50 = Standard DC: LED + diode (polarity +A1)
 60 = Standard AC: LED + varistor

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

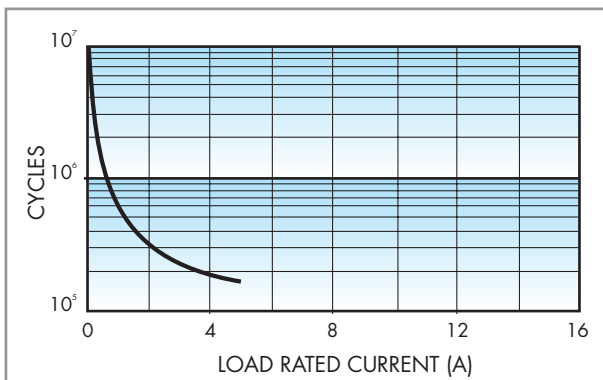
CONDUCTED DISTURBANCE IMMUNITY	BURST (according to EN 61000-4-4) level 4 (4kV)
	SURGE (according to EN 61000-4-5) level 4 (4kV)

OTHER DATA

VIBRATION RESISTANCE (10...55Hz): NO/NC	g/g	6/6	
POWER LOST IN THE ENVIRONMENT	without contact current	W	1
	with rated current	W	2.6

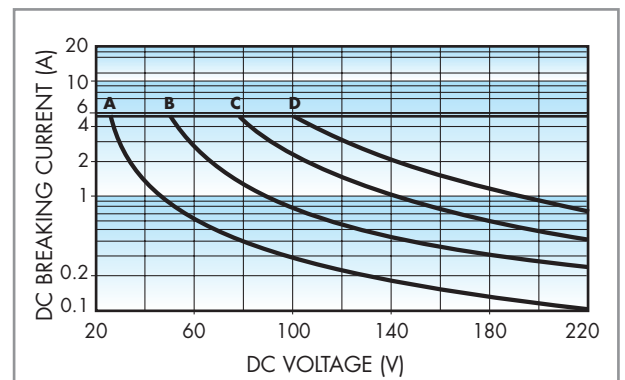
CONTACT SPECIFICATIONS

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

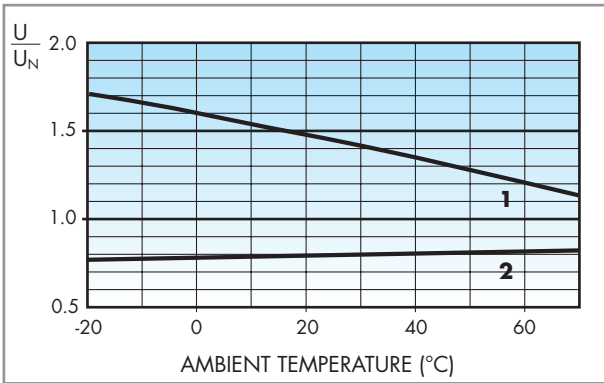
AC VERSION DATA

Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	Rated coil absorption I at U_N (50Hz) mA
		U_{min} V	U_{max} V		
12	8.012	9.6	13.2	50	117
24	8.024	19.2	26.4	190	58.3
48	8.048	38.4	52.8	770	29.2
110	8.110	88	121	4,000	12.7
120	8.120	96	132	4,700	11.3
230	8.230	184	253	17,000	6.1

DC VERSION DATA

Nominal voltage U_N V	Coil code	Operating range		Resistance R Ω	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

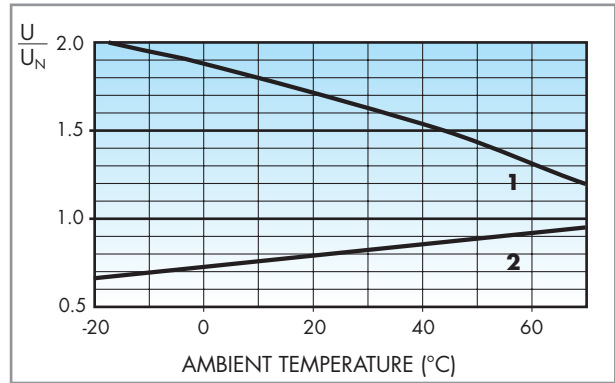
R 58 AC



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

ACCESSORIES



6-way jumper link for 58 series

094.06

- RATED VALUES: 10 A - 250 V

