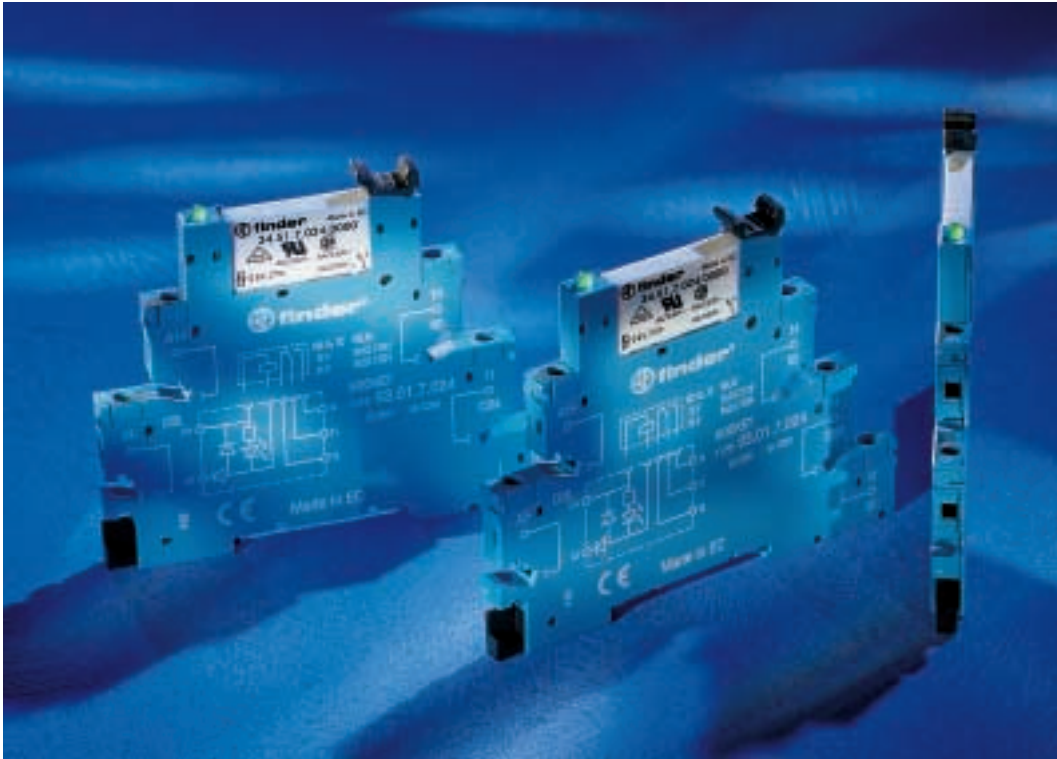
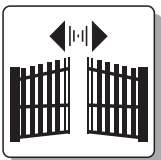




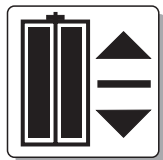
A relay interface modules for use with PLC system

- 1 (SPDT) contact 6 A
- Sensitive DC coil version
- Supplied with integral LED+diode
- Instant removal of relay using plastic retaining clip
- 35 mm rail (EN 50022) mounting
- Approvals (relay only, according to type): CSA, UL, VDE.

AUTOMATIC
GATES



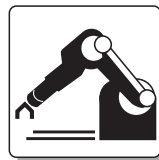
ELEVATORS



ALARM
SYSTEMS



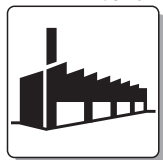
INDUSTRIAL
AUTOMATION



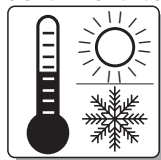
BURNERS



INDUSTRIAL
APPLIANCES



AIR
CONDITIONING



MEDICAL
EQUIPMENT





38.51

Approvals (relay only):

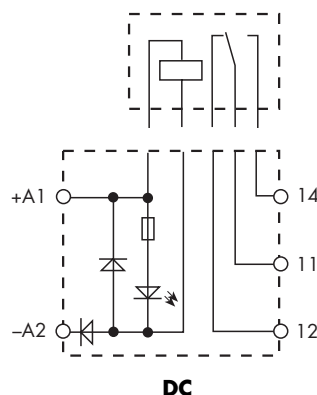
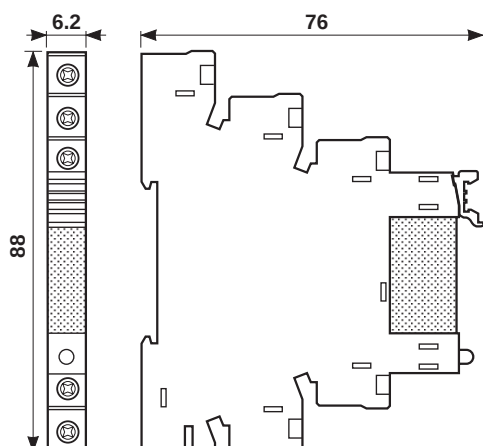


RELAY INTERFACE MODULES 6 A

TYPE 38.51 1 CO (SPDT) sensitive DC coil

- 35 mm rail (EN 50022) mounting

- Ordering information: see page 4



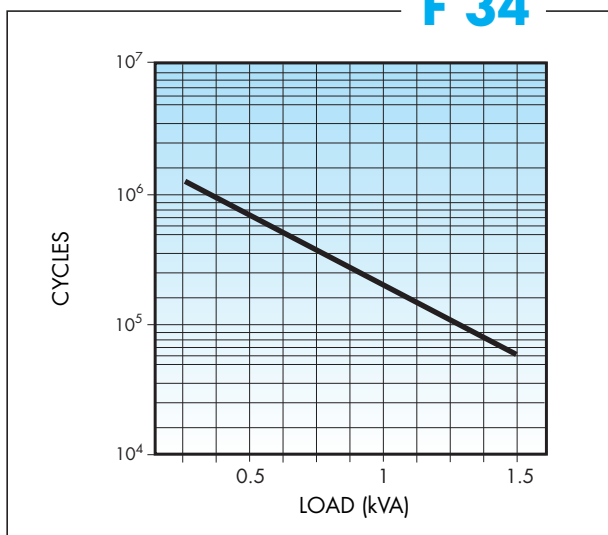
TECHNICAL DATA

DIELECTRIC STRENGTH tested at leakage current ≤ 10 mA for 1 min at 50 Hz	between coil and contacts	4,000 V
	between open contacts	1,000 V
SURGE TEST (1.2/50 μ s) BETWEEN COIL AND CONTACTS	6,000 V	
INSULATION GROUP	C250	
ISOLATION DISTANCES	≥ 8 mm between circuit coil and contacts according to VDE 0700	
MAXIMUM SWITCHING FREQUENCY		
- without load	36,000 cycles/h	
- at rated load	1,800 cycles/h	
MECHANICAL LIFE	$10 \cdot 10^6$ cycles	
OPERATE AND RELEASE TIME		
- pick-up time (0 to U_N)	≤ 7 ms (including contact bounce)	
- drop-out time (U_N to 0)	≤ 11 ms (including contact bounce)	
TYPE OF DUTY	continuous	
POWER LOST IN THE ENVIRONMENT		
- without load:	0.3 W	
- at full load:	0.5 W	
PROTECTION CATEGORY	IP 20	
AMBIENT TEMPERATURE	(-40...+70°C)	

CONTACT SPECIFICATIONS

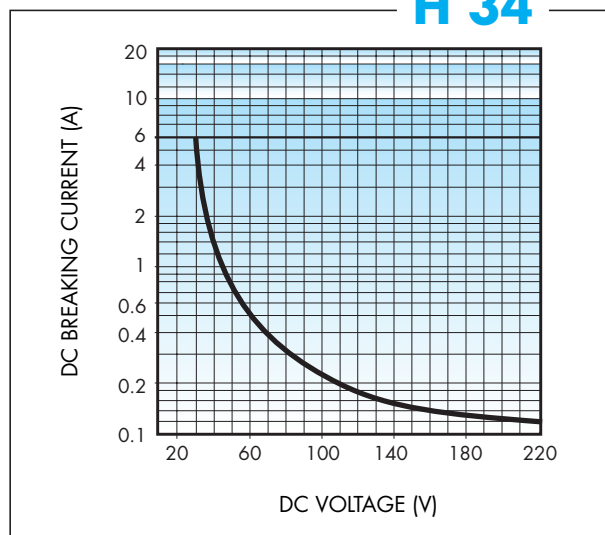
RATED CURRENT	6 A
MAXIMUM PEAK CURRENT	30 A (0.5 s)
NOMINAL RATE IN AC1	1,500 VA
NOMINAL RATE IN AC15 (230 V)	300 VA
RATED VOLTAGE	250 V AC
MAXIMUM SWITCHING VOLTAGE	400 V AC
MINIMUM SWITCHING VOLTAGE	500 mW (12V/10mA)
BREAKING CAPACITY IN DC1	see diagram H34
CONTACT RESISTANCE: - initial	$\leq 50 \text{ m}\Omega$
STANDARD CONTACT MATERIAL	AgSnO ₂

F 34



Contact life vs AC 1 load at 360 cycles/h.

H 34



Breaking capacity for DC1 load.

COIL SPECIFICATIONS

	Sensitive DC
MINIMUM POWER	0.3 W
OPERATING RANGE	(0.7 ... 2.2) U _N
HOLDING VOLTAGE	0.4 U _N
MUST DROP-OUT VOLTAGE	0.1 U _N
WIRE THERMAL INSULATION CLASS	F (+155°C)

DC VERSION DATA

R values relate to +20°C. Tolerance of R and I values: $\pm 10 \%$.

Nominal voltage U _N V	Operating range		Nominal coil absorption I at U _N mA
	U _{min} V	U _{max} V	
6	3.5	11.2	51
12	8.4	26.4	15.2
24	16.8	52.8	9.4
48	33.6	105	6.3
60	42	132	5.2

ORDERING INFORMATION

Example: 38 series, rail 35 mm (EN 5022), 1 CO (SPDT) contact 6 A, coil rated 12 V sensitive DC.

3 8	5	1	7	0 1 2	0 0	5 0
Series	Type 5 = 5 mm pinning	No. of poles 1 = 1 CO (SPDT)	Coil version 7 = sensitive DC	Coil rated voltage 006 = 6 V 012 = 12 V 024 = 24 V 048 = 48 V 060 = 60 V	Contact material and contact circuit 00 = Standard AgSnO ₂	Options 50 = Standard for DC: green LED + diode (polarity +A1)



20-way jumper link

093.20

