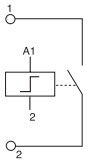
Latching relays

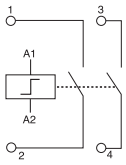
ELECTRICAL CHARACTERISTICS			
Relay type:		**RLB**	
Contactor type:		1NO - 2NO - 1NO+1NC - 1CO	4NO - 2CO
Standard:		EN 60669-2-2	
Rated current AC-1/AC-7a (In):	**(A)**	16	
Rated operational voltage (Ue):	**(V)**	440 AC	
Rated insulation voltage (Ui):	**(V)**	440 AC	
Rated impulse withstand voltage (Uimp):	**(kV)**	4	
Rated conditional short-circuit current with fuse:	**(kA)**	3 (gL 20)	
Rated frequency:	**(Hz)**	50/60	
No. of modules:		1	2
Power loss per pole (AC-1 / AC-7a):	**(W)**	1	1
Mechanical endurance (no. of operations):		1×10^6	
Operating temperature: [2]	**(°C)**	AC Coil (-25...+70) DC Coil (-25...+55)	
Storage temperature:	**(°C)**	-30...+80	
Max number of contactors (side-by-side): [1]	**T (≤ 40 °C)**	AC Coil: No limitation DC Coil: No limitation	AC Coil: No limitation DC Coil: No limitation
	T (40 - 55 °C)	AC Coil: No limitation DC Coil: 3	AC Coil: 3 DC Coil: 3
	T (55 - 70 °C)	AC Coil: 3 DC Coil: 0	AC Coil: 1 DC Coil: 0
Rated tightening torque:	**(Nm)**	1.2	
Terminal screw type:		M4	
Screwdriver suggested:		PZ2	
Cable section:	**rigid (mm^2)**	1...10	
	flexible (mm^2)	1...10	
Weight	**(g)**	135	195
CONTROL COIL CHARACTERISTICS			
Control coil voltage (Uc):	**(V)**	8 - 230 AC 24 DC	
Min operating coil voltage:	**(V)**	90% Uc	
Max operating coil voltage:	**(V)**	110% Uc	
Frequency:	**(Hz)**	50/60	
Switch-on coil consumption:	**(VA / W)**	AC 18 / 13 DC 9 / 9	
Operation coil consumption:	**(VA / W)**	AC 9 / 4 DC 9 / 9	
Rated tightening torque:	**(Nm)**	0.6	
Terminal screw type:		M3	
Screwdriver suggested:		PZ1	
Cable section:	**rigid (mm^2)**	1...4	
	flexible (mm^2)	1...4	
AUXILIARY CONTACT CHARACTERISTICS [3]			
Rated operational voltage (Ue):	**(V)**	250 AC	
Rated insulation voltage (Ui):	**(V)**	440 AC	
Rated impulse withstand voltage (Uimp):	**(kV)**	4	
Rated current AC-15 (In):	**(A)**	4 (250V)	
No. of modules:		0.5	
Power loss per pole (AC-15):	**(W)**	0.3	
Mechanical endurance (no. of operations):		1×10^6	
Electrical endurance (no. of operations):		100.000	
Rated tightening torque:	**(Nm)**	0.8	
Terminal screw type:		M3	
Screwdriver suggested:		PZ1	
Cable section:	**rigid (mm^2)**	1...4	
	flexible (mm^2)	1...4	
Weight	**(g)**	30	

[1] It's suggested the use of a spacer insert (GW D6 766) between adjacent groups of realys to ensure heat dissipation.
[2] The maximum endurance of impulse for relays with AC coil at temperature > 55°C and relays with DC coil, is 1 minute
[3] Not available for relays with AC/DC coil

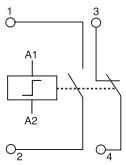
Circuit diagrams - Contactors



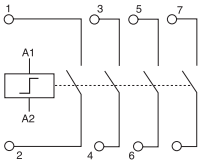
GW D6 641
GW D6 642
GW D6 643
GW D6 644



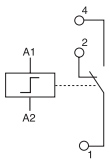
GW D6 657
GW D6 658
GW D6 659



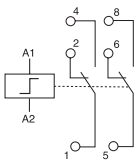
GW D6 652
GW D6 653
GW D6 654



GW D6 667
GW D6 668
GW D6 669

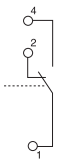


GW D6 646
GW D6 647
GW D6 648
GW D6 649
GW D6 650

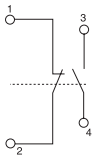


GW D6 663
GW D6 664

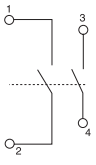
Circuit diagrams - Auxiliary contacts



GW D6 761



GW D6 762



GW D6 762