

KRG POWER RELAY

- 1 Pole 12A; 2 Poles 8A
- High sensitivity to Consumed Power 400mW
- Up to 8mm insulation distance between the coil- and contacts
- High insulation with 10kV impact resistant voltage
- Meets with the 85°C ambient temperature
- Compliance with RoHs directives



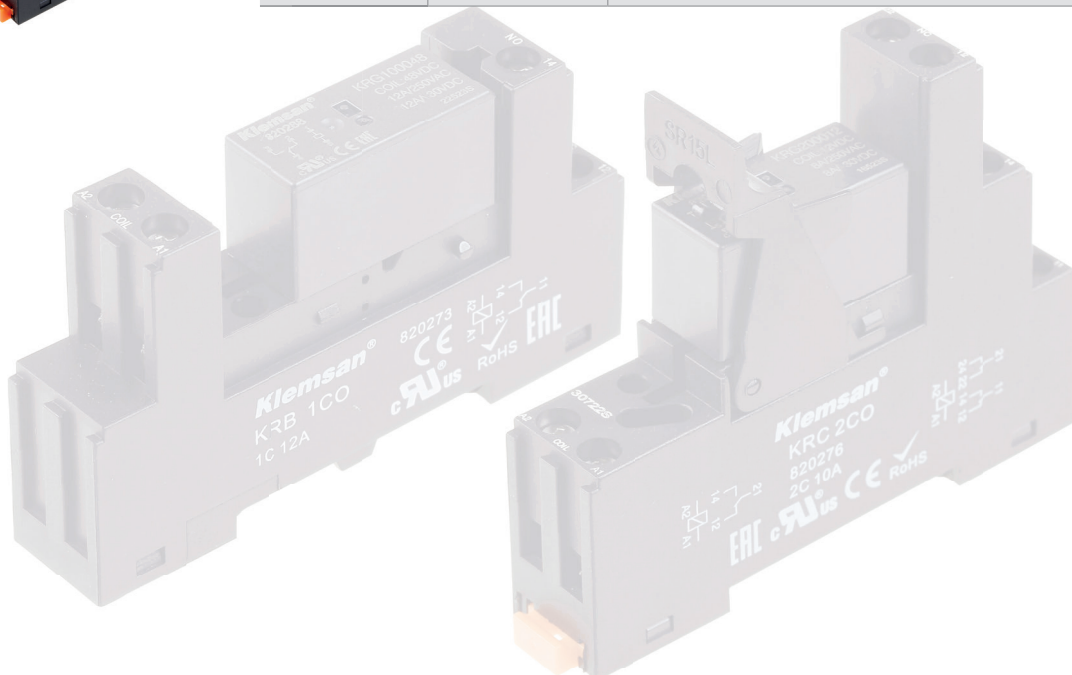
Relays

Product Code	Product Name	Product Description	Pcs. Qty.
820285	KRG100012	12VDC, 1CO, 12A	10
820286	KRG100024	24VDC, 1CO, 12A	10
820288	KRG100048	48VDC, 1CO, 12A	10
820296	KRG200012	12VDC, 2CO, 8A	10
820297	KRG200024	24VDC, 2CO, 8A	10
820299	KRG200048	48VDC, 2CO, 8A	10



Sockets and Accessories

Product Code	Product Name	Product Description	Pcs. Qty.
820273	KRB1CO SOCKET	12A	10
820274	KRB2CO SOCKET	10A	10
820275	KRC1CO SOCKET	12A	10
820276	KRC2CO SOCKET	10A	10
820277	CLP/KRB-C-15L	PLASTIC CLIPS	50



RÖLELER / RELAYS

Tip / Type	Giriş tipi / Input type	Paket / Packaging	Sipariş no / Order no
KRG100012	12VDC, 1CO, 12A	10 adet / 10 pcs.	820 285
KRG100024	24VDC, 1CO, 12A	10 adet / 10 pcs.	820 286
KRG100048	48VDC, 1CO, 12A	10 adet / 10 pcs.	820 285
KRG200012	12VDC, 2CO, 8A	10 adet / 10 pcs.	820 296
KRG200024	24VDC, 2CO, 8A	10 adet / 10 pcs.	820 297
KRG200048	48VDC, 2CO, 8A	10 adet / 10 pcs.	820 299

AKSESUARLAR / ACCESSORIES

Tip / Type	Paket / Packaging	Sipariş no / Order no
KRB1CO Soket / Socket	10 adet / 10 pcs.	820 273
KRC1CO Soket / Socket	10 adet / 10 pcs.	820 275
KRB2CO Soket / Socket	10 adet / 10 pcs.	820 274
KRC2CO Soket / Socket	10 adet / 10 pcs.	820 276
CLP/KRB-C-15L Plastik Klips / Plastic Clips	50 adet / 50 pcs.	820 277

Genel Özellikler / General Features

Giriş gerilimi (U_N) / Input Voltage (U_N) 12VDC, 24VDC, 48VDC, 110VDC; 12VAC, 24VAC, 48VAC, 115VAC, 230VAC

Röle çekme gerilimi / Pick-up voltage (23°C) DC ≤ %70

Röle bırakma gerilimi / Drop-out voltage (23°C) DC ≥ %10

Bobin çalışma gücü / Coil operating power DC (W) ≈ 0.43
AC (VA) ≈ 1

Nominal voltaj VDC (23°C) / Nominal voltage VDC (23°C) 12 24 48 110

Bobin direnci Ω (23°C) / Coil resistance Ω (23°C) 360 1440 5220 5220

Nominal voltaj VAC (23°C) / Nominal voltage VAC (23°C) 24 115 230

Bobin direnci Ω (23°C) / Coil resistance Ω (23°C) 360 8100 23800

*Bobin direnci: 110V bobin voltajı altında ±%10Ω toleransla, 110V'nin üzerinde ise ±%15Ω toleransla ölçülür.

İzolasyon direnci / Insulation resistance ≥1000MΩ (500VDC)

Dielektrik dayanım / Dielectric strength röle bobini ve kontakları arası / between contacts and coil 5000VAC / 1 dakika (kaçak akım 1mA)

röle kontakları arası / between contacts 1000VAC / 1 dakika (kaçak akım 1mA)

Çekme süresi / Operate time ≤10ms

Bırakma süresi (nom. gerilimde) / Release time (at nom. voltage) ≤5ms

Bağıl nem / Humidity %5 ~ %85 (Yoğuşma olmadan / No condensation)

Çalışma sıcaklığı / Working temperature -40°C ~ +85°C

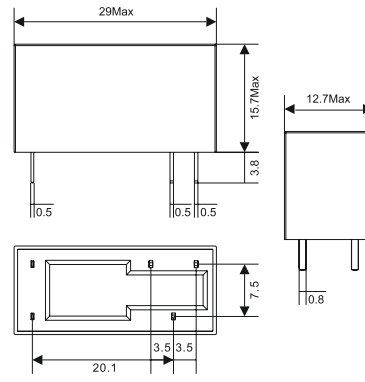
Kontak Bilgileri / Contact Informations

Konfigürasyon / Configuration		1 CO	2CO
Kontak malzemesi / Contact material		Ag Alaşım	Ag Alaşım
Kontak kapasitesi / Contact capacity		12A, 16A / 250VAC, 30VDC	8A / 250VAC,30VDC
Maks. anahtarlama kapasitesi / Max. switching capacity		3000VA,360W; 4000VA,480W	2000VA,240W
Min. anahtarlama kapasitesi / Min. switching capacity		170mW (17V/10mA)	170mW (17V/10mA)
Mekanik ömür / Mechanical durability		DC≥5000x10 ⁴ Cycles (18000 Ops/h); AC≥3000x10 ⁴ Cycles (18000 Ops/h)	
Elektriksel ömür / Electrical durability	Anma gerilimi %110, 85°C / %110 rated voltage, 85°C	3.5mm: 1NO 12A; 1NC 6A 10 ⁵ cycles (85°C)	5.0mm: 2NO 8A; 2NC 4A 10 ⁵ cycles (85°C)
	Normal sıcaklık / Normal temperature	3.5mm: 1NO 12A; 1NC 12A 5x10 ⁴ cycles (23°C)	5.0mm: 2NO 8A; 2NC 8A 5x10 ⁴ cycles(23°C)

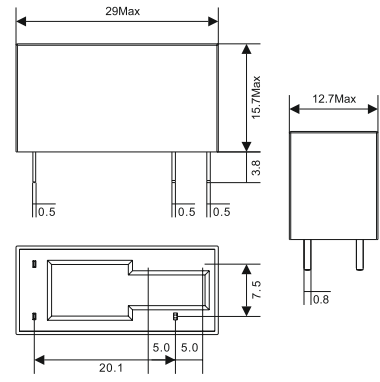
Soket Özellikleri

Tip / Type	KRB1CO	KRB2CO	KRC1CO	KRC2CO
Nominal akım / Nominal current (A)	12	10	12	10
Nominal voltaj / Nominal voltage (V)	300	300	300	300
Dielektrik dayanım / Dielectric strength	röle bobini ve kontakları arası / between contacts and coil	4000 V/min	4000 V/min	4000 V/min
	röle kontakları arası / between contacts	2500 V/min	2500 V/min	2500 V/min
Maks. sıkma torku / Max. tightening torque (Nm)	1.0	1.0	1.0	1.0
Ağırlık / Weight (g)	33	37	33	37
Kablo kesiti / Wire size (AWG/mm ²)	20-14/0.5-2.5	20-14/0.5-2.5	20-14/0.5-2.5	20-14/0.5-2.5
Ortam sıcaklığı / Ambient temperature	-40°C~+85°C	-40°C~+85°C	-40°C~+85°C	-40°C~+85°C

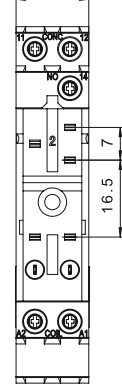
KRG10---- 3.5mm



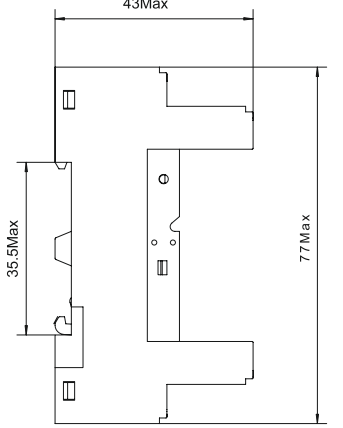
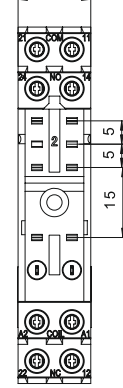
KRG20---- 5.0mm



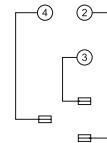
KRB1CO



KRB2CO

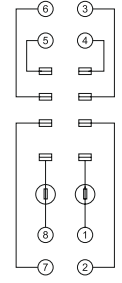


① ⑤ : A1 A2
② : NC
③ : NO
④ : COM



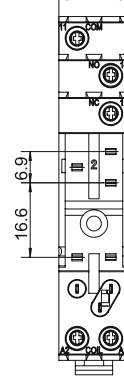
KRB1CO

① ⑧ : A1 A2
② ⑦ : NC
④ ⑤ : NO
③ ⑥ : COM

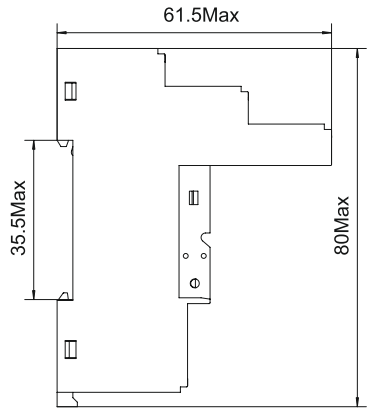
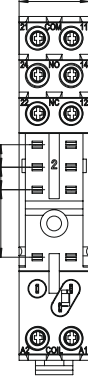


KRB2CO

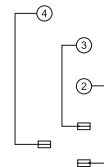
KRC1CO



KRC2CO

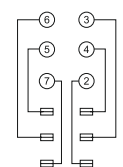


① ⑤ : A1 A2
② : NC
③ : NO
④ : COM



KRC1CO

① ⑧ : A1 A2
② ⑦ : NC
④ ⑤ : NO
③ ⑥ : COM



KRC2CO