Datenblatt
Artikelnummer: HSR-Serie



FEATURES

- 70A switching capability
- Ambient temp. Can reach 125℃
- 1 form A?**1 form C? contact form**
- Sealed and dust cover type availlable
- With transient suppression resistar
- Outline dimensions: **28.0x28.0x25.5**

CHARACTERISTICS

Contact arrangement	(1A) (C)
Voltage drop (initial)[1]	Typ:20mV(at 10A)
	Max.:30mV(at 10A)
Max.switching current	70A (NO)
Max.switching voltage	50VDC
Max.switching current	70A(23℃) 50A(125℃)
Min.contact load	1A 6VDC
Electrical life	1×10^{5} ops
Mechanical life	1×10^{7} ops 300ops/min
Initial insulation resistance	500MΩ (500VDC)
Dielectric strength	500VAC (1min)
	500VAC (1min,leakage current less than 1mA)
Operate time	Typ:6ms
	Max:10ms
Release time	Typ:4ms
	Max **10ms**
Ambient temperature	-40℃~+125℃
Storage temperature	-40℃~+85℃
Vibration resistance	10Hz~500Hz 176m/s²(18g)
Shock resistance	294m/s²(30g)
Termination	QC
Construction	Sealed , Dust protected
Unit weight	Approx:42g
Mechanical data	Cover retention : (pull & push)245N
	Terminal retention : (pull & push)100N
	Terminal rssistance to bendng (front & side)10N

1)Equivalent to the max,initial contact resistance is 500mΩ(1A 24VDC);

COIL DATA

at 23℃

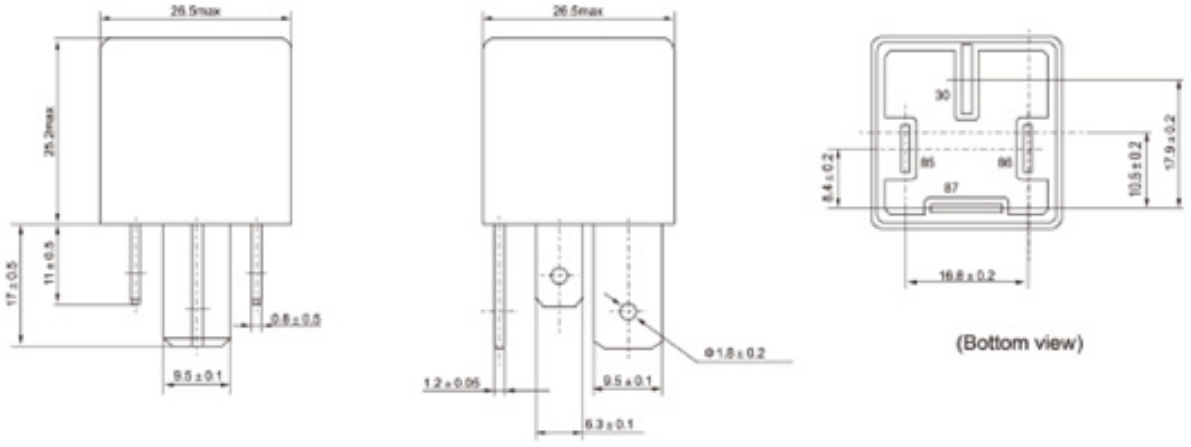
	Normal voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil resistace (Ω ±10%)	Parallel resistance (Ω ±5%)	Equivalent resistance (Ω ±10%)	Power consumption (W)	Max.allowable overdrive voltage (VDC)	
								20℃	85℃
Standard	6	3.9	0.6	22.5	-	-	1.6	10	9
	6	3.9	0.6	22.5	180	20	1.8	9	9
	12	7.8	1.2	90	-	-	1.6	21	18
	12	7.8	1.2	90	680	79.5	1.8	18	18
	24	15.6	2.4	360	-	-	1.6	43	34
	24	15.6	2.4	360	2700	317.6	1.8	36	34
High power consum-ption (P)	6	3.9	0.6	18	-	-	2.0	9	7
	6	3.9	0.6	18	180	16.4	2.2	9	7
	12	7.8	1.2	72	-	-	2.0	19	14
	12	7.8	1.2	72	680	65.1	2.2	18	14
	24	15.6	2.4	288	-	-	2.0	39	28
	24	15.6	2.4	288	2700	260.2	2.2	36	28

1)Max. Allowable overdrive voltage is stated with no load applied and minimum coil resistance.

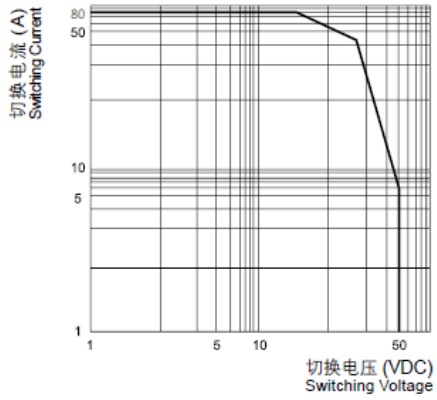
ORDERING INFORMATION

	HSR	-S-	1	12	-A-	R
Type						
Contruction	S-seeled nil-Fluxproof					
Contact group	1：1group					
Coil voltage	6, 9, 12, 18, 24, 36, 48					
Contact form	A-NO	C-NO/NC				
Transient suppression resistor	R-with resistor D-with parallel diode Nil-without resistor (D2-diode 85to86					

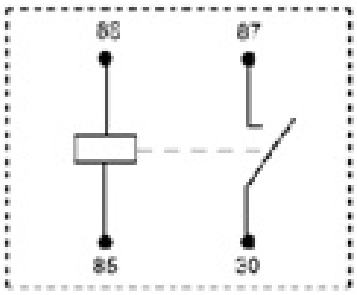
EXTERNAL DIMENSIONS



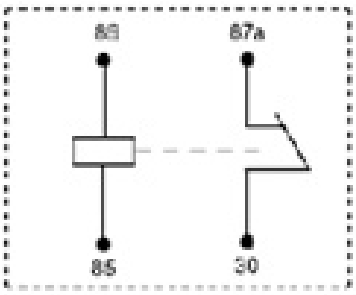
2. 允许最大负载范围
Maximum Load Range



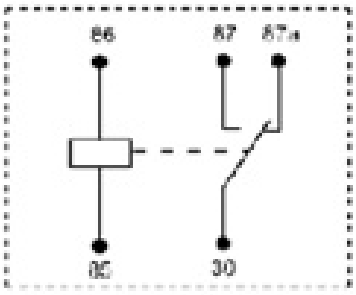
Wiring dagram



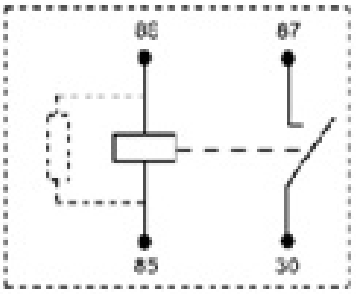
1A



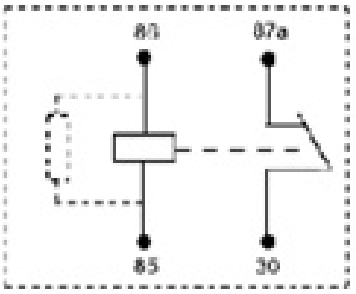
1B



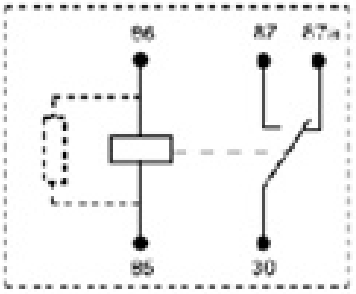
1C



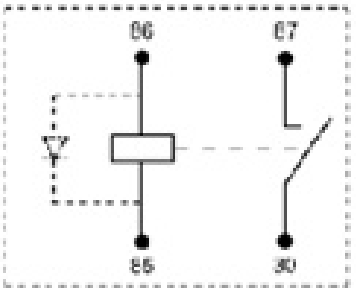
1A



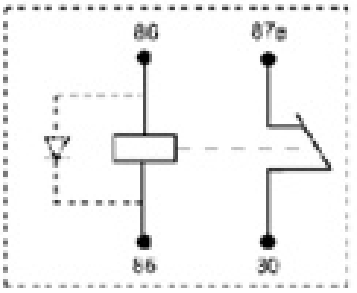
1B



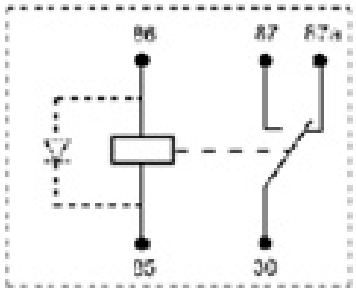
1C



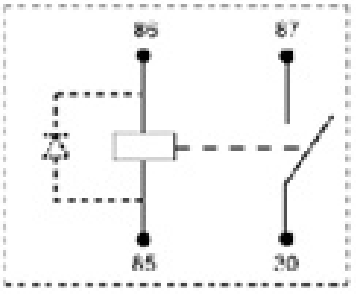
1A



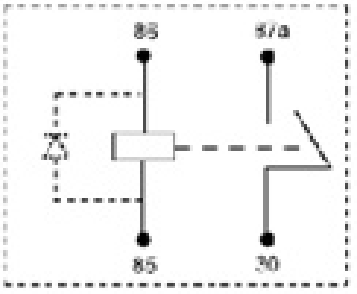
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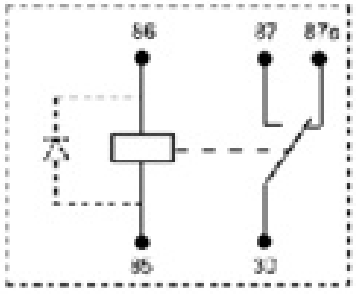
1C



1A



1B



1C