



Switching Distance

4,0 mm

6,0 mm

2,0mm

4,0 mm

Mounting

Shielded

Non - Shielded

Shielded

Non - Shielded

	Type	Type	Type	Type
PNP Normally Open	KJ4-M12MB60-DPS-V2 9982-1050	KJ6-M12MN60-DPS-V2 9982-1250		
PNP Normally Close	KJ4-M12MB60-DPÖ-V2 9982-1450	KJ6-M12MN60-DPÖ-V2 9982-1650		
NPN Normally Open	KJ4-M12MB60-DNS-V2 9982-1150	KJ6-M12MN60-DNS-V2 9982-1350		
NPN Normally Close	KJ4-M12MB60-DNÖ-V2 9982-1550	KJ6-M12MN60-DNÖ-V2 9982-1750		
PNP Changeover			KJ2-M12BM60-DPA 9962-6200	KJ4-M12MN60-DPA 9962-6300
NPN Changeover				
Operating Voltage U_b	10 - 35 V DC	10 - 35 V DC	10 - 30 V DC	10 - 30 V DC
Ripple Voltage U_b	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$
Voltage Drop U_d	$\leq 2,4 \text{ V}$	$\leq 2,4 \text{ V}$	$\leq 2,4 \text{ V}$	$\leq 2,4 \text{ V}$
Max. Load Current I_o	200 mA	200 mA	200 mA	200 mA
Off-State Current I_o	$\leq 10 \text{ mA}$	$\leq 10 \text{ mA}$	$\leq 15 \text{ mA}$	$\leq 15 \text{ mA}$
Leakge Current I_r	$\leq 10 \mu\text{A}$	$\leq 10 \mu\text{A}$	$\leq 10 \mu\text{A}$	$\leq 10 \mu\text{A}$
Switching Frequency f	2500 Hz	2000 Hz	2000 Hz	1000 Hz
Hysteresis H	typ. $5 \% \leq 10 \%$	typ. $5 \% \leq 10 \%$	$\leq 15 \%$	$\leq 15 \%$
Operating Temperature T_a	$-25^\circ\text{C} \dots +70^\circ\text{C}$	$-25^\circ\text{C} \dots +70^\circ\text{C}$	$-25^\circ\text{C} \dots +70^\circ\text{C}$	$-25^\circ\text{C} \dots +70^\circ\text{C}$
Temperature Drift	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$
Repeat Accuracy R	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$	$\leq 10 \%$
Protection Class	IP 67	IP 67	IP 67	IP 67
Switching State	LED	LED	LED	LED
EMC-Standard	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2
Housing Material	Brass Nickel-Plated	Brass Nickel-Plated	Brass Nickel-Plated	Brass Nickel-Plated
Front Cap	PCP	PCP	PCP	PCP
Termination	M12 4-pol. Connector	M12 4-pol. Connector	Cable 4 x 0,34	Cable 4 x 0,34