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KISSLING
HIGH PERFORMANCE RELAYS

Series 26 / 300A - from TE Connectivity (TE)

KISSLING 26 series dual coil relays are developed using our competence and expertise gathered over decades of manufacturing to meet demanding operating requirements.

This dual coil system relay features extremely high shock and vibration resistance predominantly from careful design and an optimized magnetic circuit. The sealing technology used in these relays meet both the IP67 and IP69K (Steam pressure cleaning) protection standard. This relay series is well suited for various applications in severe commercial, military and aviation applications.

Other important advantages are low heat generation in the contact area based on low contact voltage drop, a compact design, low holding current, silver alloy contact material and the use of mechanical and high thermal stability insulating compounds. Both the terminals and housing is corrosion resistant.

These relays are available with a wide variety of configuration options including contact configurations (NO, NC), coil voltages (12 V, 24/28 V) and various bracket styles to meet your installation conditions. Also available are optional suppression devices to eliminate electromagnetic interference at the coils and optional auxiliary contacts.

Features

- Sealed housing conforms to IP6K9K
- Dual-Coil monostable high performance relay with optional auxiliary contact
- Up to 30G shock & 10G vibration resistant
- Military grade performance
- Wide variety of configuration options for individual needs
- Meets the requirements of MIL-R-6106

Applications

- Truck
- Bus
- Ground support vehicles
- Construction and agricultural vehicles
- Power Distribution
- Aviation industry
- Military

SERIES 26
300A

Specification

Technical Data

Temperature range	-55°C to +74°C
Max. Altitude rating	50.000 ft
Protection	IEC 60529 & DIN 40050-9, IP67 (0,2 bar; 1min) & IP6K9K
Shock	30G - 11msec | VG 95210, MIL-STD-202, Test method 213, Half-sine, 11 msec / 30 G
Vibration	10G | VG 95210, MIL-STD-202, Test method 213, Test condition C / 10 G
Acceleration	15G
Thread sizes	M3.5 = 1.1–1.2Nm | M4 = 2.0–2.2Nm | M8 = 12–13Nm | M10 = 15–20Nm
Wire section	min. 95mm2 / 0.147 sq.inch / AWG 0000
Mounting position	optional

Electrical Characteristics

Min. Insulation Resistance	100MΩ
After llve or environmental	50MΩ
Dielectric withstanding voltage	1050VAC / 1min at 50Hz
Max. Contact drop, initial	150mV
Contact drop after life test	175mV
Continuous current	300A
Overload	2500A - 1sec / 600A - 20sec
Rupture current	3000A
Auxiliary contacts	Continuous current 2A / Make and Brake 6A

Rated contact load (12 & 24 / 28VDC)

Resistive load	50.000 cycles - 300A
Mechanical Life	100.000 cycles - 75A

Coil Data

	12VDC	24 / 28 VDC
Voltage range	10-15VDC	18-32VDC
Nominal voltage	12VDC	24/28VDC
Pick up voltage max.	10VDC	18VDC
Drop out voltage	≤ 4VDC	≤ 6VDC
Pull in coil resistance	1,5Ω ± 20%	5,2Ω ± 20%
Pull in current max.	7A - 20msec	4/5A - 20msec
Coil resistance	48Ω ± 10%	120Ω ± 10%
Coil current max.	0,3A	0,25 / 0,30A

Operating times	NO Contact
Operate	max. 25msec
Bounce	max. 5msec
Release with suppression	max. 80msec
Release without suppression	max. 15msec

Operating times	NC Contact
Break time	max. 10msec
Make time with suppression	max. 60msec
Make time without suppression	max. 40msec

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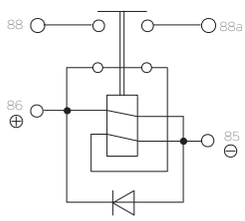
Available Types

	Type Ordering key	Contact NO	Contact NC	Clamping band	Side mounting	4-hole bottom mounting	Replaceable barrier	Suppression diode	Polarity protection	Auxiliary contact	Weight kg / pound
12V	26.56.22	x				x		x			0.93 / 2.05
	26.56.238	x			x		x	x			0.63 / 1.39
24V / 28V	26.56.01	x				x		x	x		0.93 / 2.05
	26.56.02	x				x		x			0.93 / 2.05
	26.56.03	x				x					0.93 / 2.05
	26.56.04	x		x				x	x		0.63 / 1.39
	26.56.05	x		x				x			0.63 / 1.39
	26.56.06*	x		x							0.63 / 1.39
	26.56.07	x			x			x	x		0.63 / 1.39
	26.56.08	x			x			x			0.63 / 1.39
	26.56.09	x			x						0.63 / 1.39
	26.56.31	x				x	x	x	x		0.93 / 2.05
	26.56.32	x				x	x	x			0.93 / 2.05
	26.56.33	x				x	x				0.93 / 2.05
	26.56.34	x		x			x	x	x		0.63 / 1.39
	26.56.35	x		x			x	x			0.63 / 1.39
	26.56.36	x		x			x				0.63 / 1.39
	26.56.37	x			x		x	x	x		0.63 / 1.39
	26.56.38	x			x		x	x			0.63 / 1.39
	26.56.39	x			x		x				0.63 / 1.39
	26.56.75	x		x				x		x	0.66 / 1.46
	26.56.78	x			x			x		x	0.66 / 1.46
	26.27.07		x		x			x	x		0.66 / 1.46
	26.27.08		x		x			x			0.66 / 1.46
	26.27.09		x		x						0.66 / 1.46

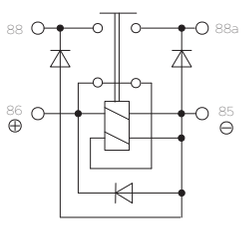
Other types and customer specified types upon request / * Standard version

Circuits

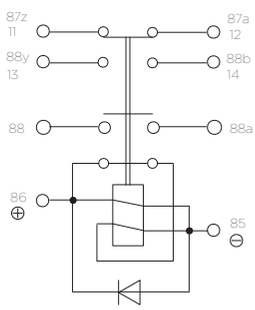
NO-Contact



Suppression diode

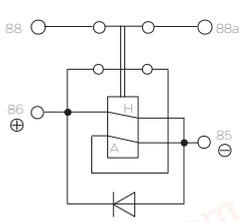


Suppression diode
Polarity protection



Suppression diode
Auxiliary contact

NC-Contact

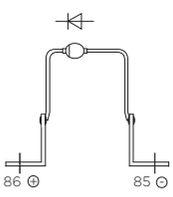


Suppression diode

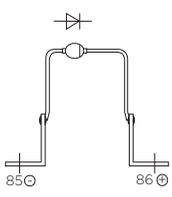
Accessories

Suppression diode

26.08.50

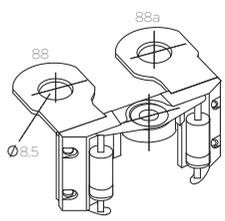


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reverse polarity



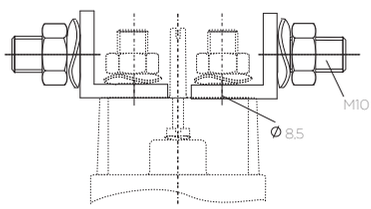
Polarity protection

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Angler adapter

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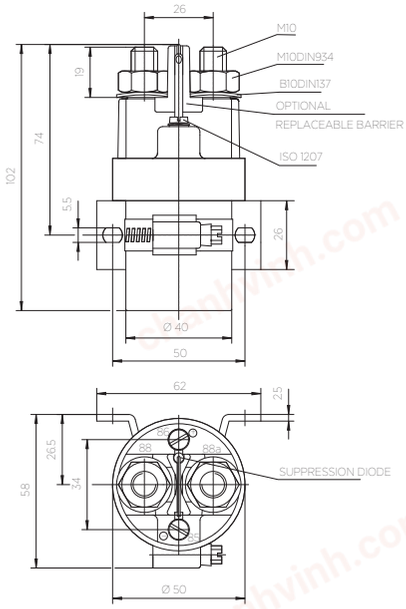


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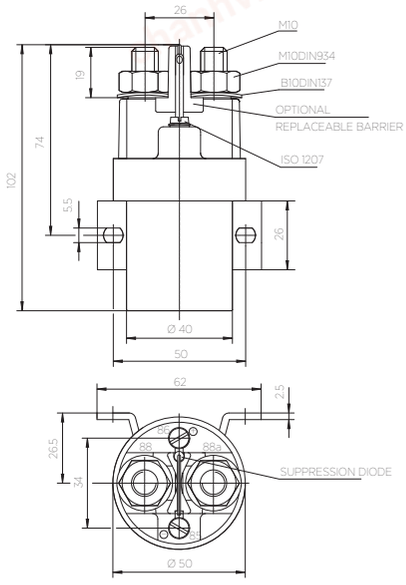
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Technical drawings

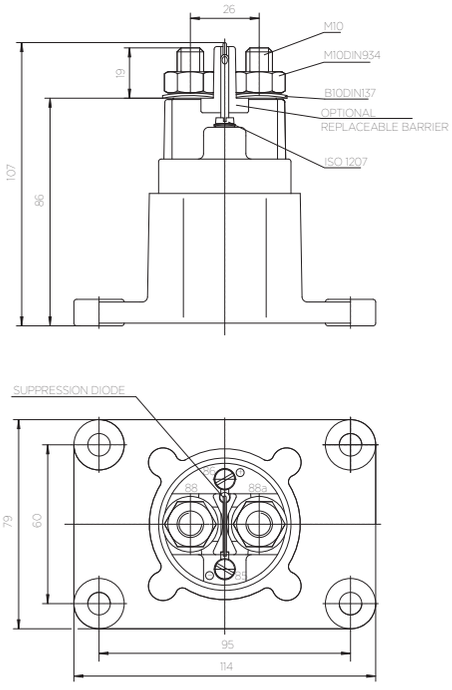
Clamping band



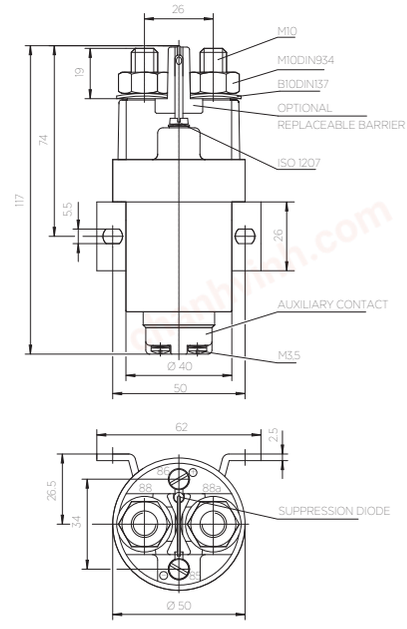
Side mounting



4-hole bottom mounting



Side mounting - Auxiliary contact



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