






Illuminating seals, square design

Product range overview

Function	Design	Type	For plug socket	For plug socket with cable	For solenoid coil (valves with solenoid coil)	→ Page/Internet
Illuminating seal		MF-LD	MSSD-F	KMF	For solenoid coil type: F Tiger 2000 Solenoid valves to ISO 5599-1 (VSVA) Solenoid valves to ISO 5599-1 Solenoid coils MSF Tiger Classic Solenoid valves MFHE/pneumatic valves VLHE	3
		MC-LD	MSSD-C	KMC	For solenoid coil type: D, N1 MS-START-UP exhaust valves (on-off valves MS) Solenoid valves to ISO 5599-1 (VSVA) Solenoid valves to ISO 5599-1 Solenoid coils MSN1 Solenoid valves MN1H-MS, brass design	3
		MV-LD-12-24DC	MSSD-V	KMV	For solenoid coil type: V Tiger 2000	3
		MV-LD-230AC	MSSD-V	KMV	–	
		ME-LD-12-24DC	MSSD-E	KME	For solenoid coil type: E Solenoid valves MEH/MEBH, midi pneumatic	3
	MEB-LD	MSSD-EB	KMEB	For solenoid coil type: EB, N2 MS-START-UP exhaust valves (on-off valves MS)	3	

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Technical data

Illuminating seal

- MF-LD**
- MC-LD**
- MV-LD**
- ME-LD**
- MEB-LD**

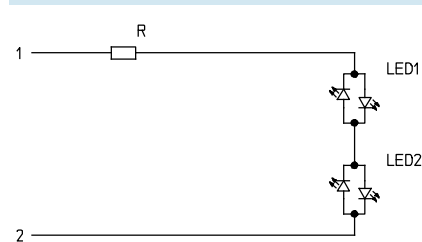
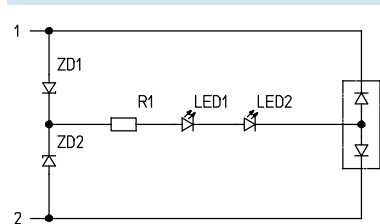
Illuminating seals are mounted between the plug socket and solenoid coil. The sealing lip points to the coil side, the label to the device socket. The seal is illuminated yellow after the power is switched on.



General technical data			12 ... 24 V DC	230 V AC
Operating voltage			12 ... 24 V DC	230 V AC
Operating voltage range [V DC]			12 ... 24	–
Nominal operating voltage AC [V AC]			–	230±10%
Protective circuit, max. switch-off voltage [V DC]			yes, 50	–
Degree of contamination			–	3
Switching position display			LED (yellow)	LED (yellow)
Rated output of illuminating seal [mW]			50	330
Impulse withstand voltage	MF-LD	[kV]	–	4
	MC-LD	[kV]	–	4
	MV-LD	[kV]	–	2.5
	MEB-LD	[kV]	–	2.5
Electrical connection			To EN 175301-803	
Protective earth conductor connection			Yes	
Type of mounting	MF-LD		On solenoid valve via M3 central screw	
	MC-LD		On solenoid valve via M3 central screw	
	MV-LD		On solenoid valve via M3 central screw	
	ME-LD		On solenoid valve via M3 central screw	
	MEB-LD		On solenoid valve via M2.5 central screw	
Housing material			TPE-U (PU)	
Protection class to EN 60529			IP65 (in assembled state)	

Operating and environmental conditions			12 ... 24 V DC	230 V AC
Operating voltage			12 ... 24 V DC	230 V AC
Ambient temperature [°C]			–25 ... +85	–25 ... +85
CE marking (see declaration of conformity)			–	In accordance with EU Low Voltage Directive

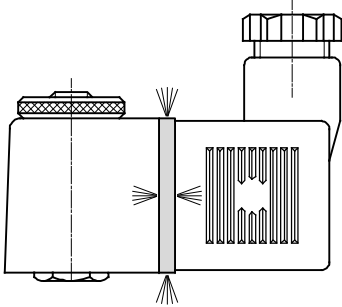
Circuit diagram



Illuminating seals, square design

Technical data

Installation of the illuminating seal








Note

The original seal must be removed before the illuminating seal is installed.
The sealing surface of the illuminating seal must point towards the plug socket, and the sealing rim towards the solenoid coil.

The illuminating seal is intended to be installed once.
Reusing illuminating seals can impair their function.

Ordering data

Illustrating seal for	Electrical connection to EN 175301-803	Design, square	Product weight [g]	Max. tightening torque [Nm]	Operating voltage [V]	Part No.	Type
	-	MSF	1.6	0.6	12 ... 24 DC	19143	MF-LD-12-24DC
					230 AC	19144	MF-LD-230AC
	■	Type A, MSC	1.6	0.6	12 ... 24 DC	19145	MC-LD-12-24DC
					230 AC	19146	MC-LD-230AC
	■	Type B, MSV	1.6	0.35	12 ... 24 DC	35558	MV-LD-12-24DC
					230 AC	151716	MV-LD-230AC
	-	MSE	0.6	0.35	12 ... 24 DC	19141	ME-LD-12-24DC
	■	Type C, MSEB	0.6	0.5	12 ... 24 DC	151717	MEB-LD-12-24DC
					230 AC	151718	MEB-LD-230AC