Technical note
on the gateway for indexing plunger with status sensor

Technical data:

Power supply		
Operating voltage	[V]	24 V DC
Nominal current	[A]	0.3 (max. 0.32 / min. 0.27)
Power consumption	[W]	7.2
Overvoltage category		I
Interfaces		
Signal inputs		7x by wireless transfer No. 1 to 6: for signal monitoring UI: for monitoring by a mobile terminal
Signal outputs		8x potential free changer contacts 2A 24V DC / 2A 250V AC K1-K6: Signal request actuation status K7:Radio link status K8: Battery level status
Antenna connection		R-SMA socket (for supplied antenne)
Connection terminals		Screw terminals 0.2 mm^2 to 1.31 mm^2
Connected loads		24 - 16 AWG / 0.205 mm^2 to 1.31 mm^2
Insulation stripping length	[mm]	5 to 6
Overvoltage category		II
Intended load		AC and DC circuit, general loading
Wireless transfer		
Transfer protocol		Bluetooth Low Energy
Transmission frequency	[GHz]	2.4
Range	[m]	about 10
Transfer rate	[1/s]	10
Displays / control elements		
LED green (Power)		Lit when the device is operating.
LED green (wireless reception)		Lit when the linked device is within range.
LED yellow (actuation status)		Indicates the actuation status of the linked device.
LED red (battery status)		Lit when the battery needs to be replaced.
Switch		Allows a device to be connected or disconnected to/from the desired signal input on the gateway.
Assembly		
Fixation		on carrier rail as defined in IEC 60715
Environmental conditions		
Application location		For use indoors
Altitude		up to 2000m
Operating temperature	[°C]	0 to 65
Storage temperature	[°C]	-10 to 65
Maximum relative humidity	[%]	80 (without condensation)
Safety rating		IP20 acc. to DIN EN 60529
Impact resistance		IK06 acc. to DIN EN 62262
Degree of contamination		2

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Approvals / inspections		
Radio licences		Europe, USA, Canada
Electrical safety		EN 61010-1 / EN 61010-2-201
EMV		EN 301 489-1 / EN 301 489-17
Wireless		EN 300 328
Vibration resistance		EN 60068-2-6
Shock resistance		EN 60068-2-27
Note		
Interference suppression		Interference suppression is the responsibility of the user when inductive loads are switched on the outputs.
Radio licence		The radio licence for the Gateway is valid only when the supplied antenna is used.
Mechanical data		
Weight	[kg]	0.3