

# Conduits sizing

## GEM-SOL

Wires cross-section selection for distance installation of GEM-SOL solenoids

Solenoid type : GEM-SOL 8W 24V AC					
No. of solenoids	1	2	3	4	Distance
Cross-section [mm <sup>2</sup> ]	1.0	1.5	2.5	4.0	100m
	1.5	4.0	6.0	6.0	200m
	2.5	6.0			300m
	4.0	6.0			400m
	4.0				500m
	6.0				600m
	6.0				700m
	6.0				800m
					900m
				1000m	

Max. conduits resistance 4Ω

Solenoid type : GEM-SOL 5.5W 24V AC					
No. of solenoids	1	2	3	4	Distance
Cross-section [mm <sup>2</sup> ]	0.75	1.5	2.5	2.5	100m
	1.5	2.5	4.0	6.0	200m
	2.5	4.0	6.0		300m
	2.5	6.0			400m
	4.0				500m
	4.0				600m
	6.0				700m
	6.0				800m
	6.0				900m
				1000m	

Max. conduits resistance 5Ω

## G75

Wires cross-section selection for distance installation of G75 solenoids

Solenoid type : G75 24V AC					
No. of solenoids	1	2	3	4	Distance
Cross-section [mm <sup>2</sup> ]	0.5	0.5	0.75	1.0	100m
	0.5	1.0	1.5	2.5	200m
	0.75	1.5	2.5	2.5	300m
	1.0	2.5	2.5	4.0	400m
	1.5	2.5	4.0	6.0	500m
	1.5	4.0	4.0	6.0	600m
	2.5	4.0	6.0	6.0	700m
	2.5	4.0	6.0		800m
	2.5	4.0	6.0		900m
	2.5	6.0			1000m

Max. conduits resistance 15Ω

Solenoid type : G75 latch 4Ω					
No. of solenoids	1	2	3	4	Distance
Cross-section [mm <sup>2</sup> ]	0.75	1.5	1.5	2.5	10m
	1.5	2.5	4.0	6.0	20m
	1.5	4.0	6.0	6.0	30m
	2.5	6.0	6.0		40m
	4.0	6.0			50m
	4.0				60m
	4.0				70m
	6.0				80m
	6.0				90m
	6.0				100m

Max. conduits resistance 0.6Ω