


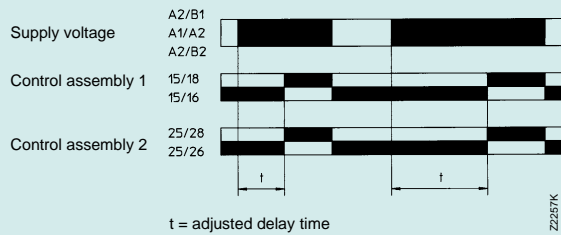
Selection table

Version	Description	Operating voltage	Ordering code	Weight [kg]
 <p>8510 Time relay</p>	ON Time relay Timing ranges: 0,05 sec ... 300 h	AC: 110 ... 240 V (50 ... 60 Hz) UC: 24 V 42 ... 48 V	8510/112-07-19-021	1,25
	OFF delay relay with auxiliary power Timing ranges: 0,05 sec ... 300 h	AC: 110 ... 240 V (50 ... 60 Hz)	8510/112-07-29-061	1,25
		UC: 24 V	8510/112-07-29-041	1,25
		42 ... 48 V	8510/112-07-29-051	1,25
OFF delay relay with auxiliary power Timing ranges: 0,05 sec ... 10 min	UC: 24 V ... 240 V	8510/112-07-39-012	1,25	

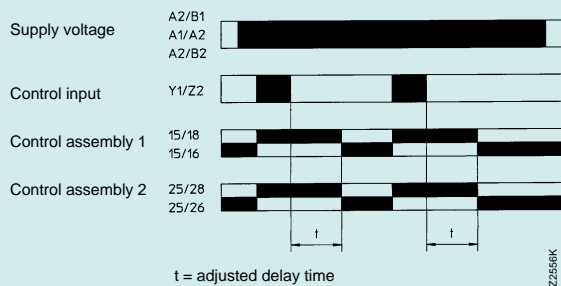
Function diagrams

Version

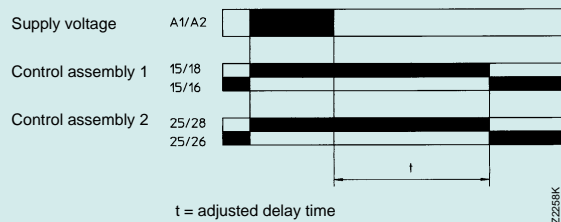
Ordering code



8510/112 – 07 – 19 – 021



8510/112 – 07 – 29 – ...



8510/112 – 07 – 39 – 021 – 012

STAHL

Technical data (see also page 11/83)

Version	8510/112-07-19-021		8510/112-07-29-...		8510/112-07-39-012	
General data						
Power consumption	24 V, UC 48 V, UC 110 V, AC 240 V, AC	(B1-A2) ca. 2 VA / W (B2-A2) ca. 2 VA / W (A1-A2) ca. 2 VA (A1-A2) ca. 3 VA	(A1-A2) ca. 2 VA / W (A1-A2) ca. 2 VA / W (A1-A2) ca. 2 VA (A1-A2) ca. 3 VA	(A1-A2) ca. 2 VA / W (A1-A2) ca. 2 VA / W (A1-A2) ca. 2 VA (A1-A2) ca. 3 VA	ca. 1 A / 30 ms ca. 1 A / 20 ms ca. 1 A / 15 ms ca. 1 A / 10 ms	
Enclosure material	Epoxy resin/polyester resin, black		Epoxy resin/polyester resin, black		Epoxy resin/polyester resin, black	
Ambient temperature	Operation Storage		Operation Storage		Operation Storage	
Degree of protection	Finger-contact safe to VDE 0106		Finger-contact safe to VDE 0106		Finger-contact safe to VDE 0106	
Terminals for flexible leads solid leads	0,75 ... 1,5 mm ² 0,75 ... 2,5 mm ²		0,75 ... 1,5 mm ² 0,75 ... 2,5 mm ²		0,75 ... 1,5 mm ² 0,75 ... 2,5 mm ²	
Life	mechanical electrical		mechanical electrical		mechanical electrical	
Control contacts	30 million operations 100 000 operations, 8 A, 220 V AC, resistive load		30 million operations 100 000 operations, 8 A, 220 V AC, resistive load		30 million operations 100 000 operations, 8 A, 220 V AC, resistive load	
Pulse direction	–		min. 20 ms		–	
No-load voltage	–		10 ... 40 V, DC		10 ... 40 V, DC	
Switched current	–		< 1 mA		< 1 mA	
Max. contact resistance	–		≤ 1 kΩ		–	
Lead length	–		max. 50 m		–	
Output circuit						
Relay output Contacts	yes 2 CO		yes 2 CO		yes 2 CO	
Switching voltage	250 V; AC		250 V; AC		250 V; AC	
Switching current	AC-1: 4 A AC-11: 1,5 A		AC-1: 4 A AC-11: 1,5 A		AC-1: 4 A AC-11: 1,5 A	
Input circuit						
Supply voltage	AC: 110 ... 240 V UC: 24 V 42 ... 48 V		AC: 110 ... 240 V UC: 24 V 42 ... 48 V		UC: 24 ... 240 V	
Mains frequency	50/60 Hz		50/60 Hz		50/60 Hz	
Tolerances on supply voltage	– 15 % ... + 10 %		– 15 % ... + 10 %		– 15 % ... + 10 %	
Duty cycle	100 %		100 %		100 %	
Switch-on current	–		–		1 A / 10 ms	