

## NST-2009 TURVARELE

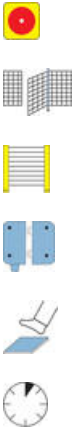
42080021

Turvarele NST-2009D, 2 NO+1 NC, +2 NO delay, 24 V DC

- 4 NO turvaulostuloa, joista 2 avautumisviiveellä (0-600s)
- 1 NC signaaliulostulo
- Soveltuu myös turvaloverhoille ja turvamagneettikytkimille
- 24 V AC/DC



### TUOTEKUVAUS



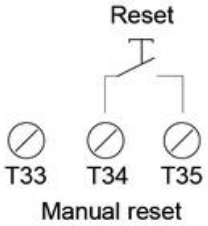
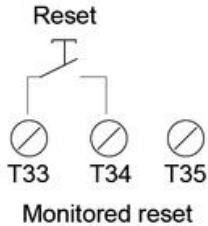
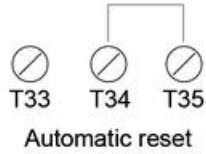
Duelco NST-2009 on monipuolinen turvarele valvomaan hätäseis-piirejä, turvarajakytkimiä ja turvaloverhoja turvaluokkaan 4 (EN-954-1) ja PL e (EN ISO 13849-1) soveltuvalla kytkennällä.

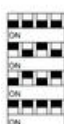
Turvareleessä on 4 NO turvaulostuloa, joista 2 on avautumisviiveellä (0-600s). Tätä ominaisuutta voidaan hyödyntää mm. servokäytöissä. Lisäksi turvareleessä on 1 NC signaaliulostulo.

### Tekniset tiedot

#### LED-indikointi

LED Ub	LED K1	LED K2	LED K3	LED K4	Selitys/mahdollinen vika (riippuen mitä kytkentää on käytetty)
ON	OFF	OFF	OFF	OFF	Käyttäjännite ok
OFF	OFF	OFF	OFF	OFF	Käyttäjännite ei kytketty/huono liitos
ON	Vilkkuu	Vilkkuu	Vilkkuu	Vilkkuu	Valvontapiiri ei ole havainnut mitään vikaa ja turvarele on vaimina kutattavaksi
ON	ON	ON	ON	ON	Rele aktivoituna
ON	OFF	OFF	ON	ON	Avausviive vielä aktiivinen

<b>Kuittaus toiminnot:</b>		
<b>Käsinkuittaus</b>	<b>Valvottukuittaus</b>	<b>Automaattikuittaus</b>
 <p>Manual reset</p>	 <p>Monitored reset</p>	 <p>Automatic reset</p>

<b>Kuittauksen viiveaika 0-600 s</b>																																																																																	
	<table border="1"> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td> </tr> <tr> <td>0.05</td><td>0.1</td><td>0.2</td><td>0.3</td><td>0.4</td><td>0.5</td><td>0.6</td><td>0.7</td><td>0.8</td><td>0.9</td><td>1</td><td>1.1</td><td>1.2</td><td>1.3</td><td>1.4</td><td>1.5</td> </tr> <tr> <td>0.25</td><td>0.5</td><td>1</td><td>1.5</td><td>2</td><td>2.5</td><td>3</td><td>3.5</td><td>4</td><td>4.5</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td>1.5</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td><td>18</td><td>21</td><td>24</td><td>27</td><td>30</td><td>36</td><td>42</td><td>48</td><td>54</td><td>60</td> </tr> <tr> <td>15</td><td>30</td><td>60</td><td>90</td><td>120</td><td>150</td><td>180</td><td>210</td><td>240</td><td>270</td><td>300</td><td>360</td><td>420</td><td>480</td><td>540</td><td>600</td> </tr> </table>	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	0.25	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	1.5	3	6	9	12	15	18	21	24	27	30	36	42	48	54	60	15	30	60	90	120	150	180	210	240	270	300	360	420	480	540	600
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## TEKNISET TIEDOT

### SYÖTTÖ

<b>Syöttöjännite</b>	24V AC/DC
<b>Toleranssi</b>	±10%

### SISÄÄNTULOT JA ULOSTULOT

<b>Turvaulostulo NO</b>	4
<b>Signaaliulostulo NC</b>	1

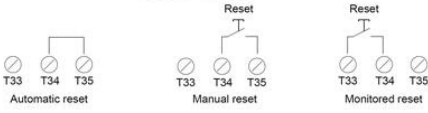
### KOTELO

<b>Kotelon IP-luokka</b>	IP40
<b>Liittimien IP-luokka</b>	IP20
<b>Min. käyttölämpötila</b>	-25 °C
<b>Max. käyttölämpötila</b>	50 °C

### TURVA-ARVOT JA HYVÄKSYNNÄT

<b>Turvaluokka</b>	4
<b>PL</b>	e
<b>Mekaaninen elinikä</b>	1 milj.
<b>Hyväksynnät</b>	CE, cULus

**RESET TYPES**

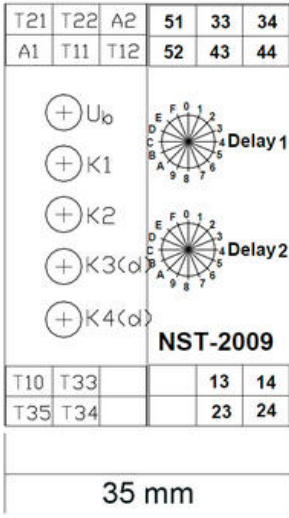


TIME DELAY TABLE - 0 - 600 SEC.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	
0.25	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	9	10	
1.5	3	6	9	12	15	18	21	24	27	30	36	42	48	54	60	
15	30	60	90	120	150	180	210	240	270	300	360	420	480	540	600	

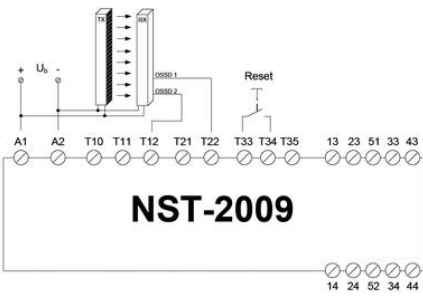
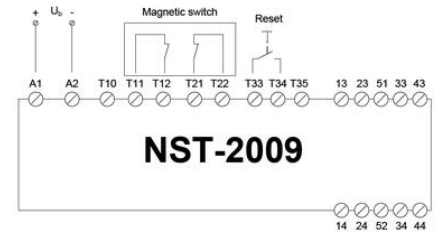
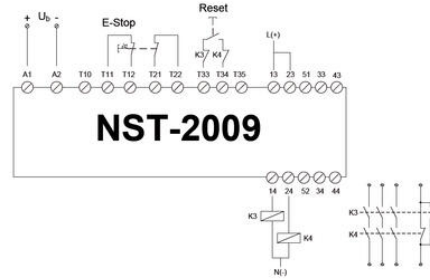
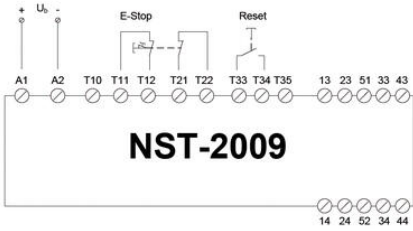
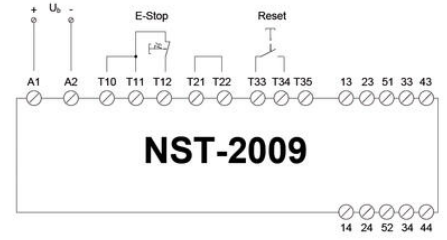
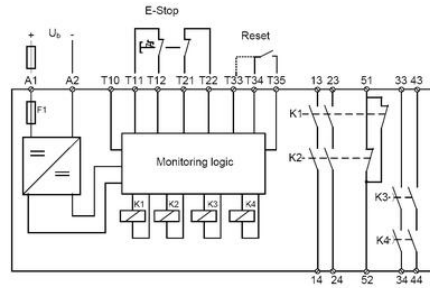
STATUS TABLE, LED'S

LED U0	LED X1	LED X2	LED X3	LED X4	Interpretation / Possible Fault (depends on which connection example is being used)
ON	OFF	OFF	OFF	OFF	Supply OK
OFF	OFF	OFF	OFF	OFF	Supply not connected or missing / bad connection
ON	Blinking	Blinking	Blinking	Blinking	Monitoring circuit has not detected any faults and the relay is ready for reset
ON	ON	ON	ON	ON	Relay activated
ON	OFF	OFF	ON	ON	Emergency stop activated, time delay still active

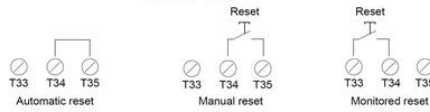


35 mm

Depth 114,50mm



**RESET TYPES**

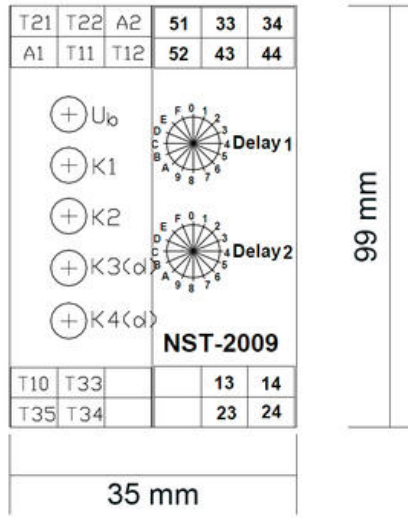


TIME DELAY TABLE - 0 - 600 SEC.

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99 mm

Depth 114,50mm

