



**EVO - APPARECCHI MODULARI PER GUIDA DIN**



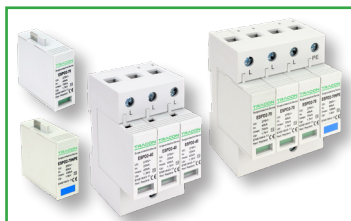
# EVOZ, TDZ

INTERRUTTORI AUTOMATICI  
UNA VOLTA PER SEMPRE!





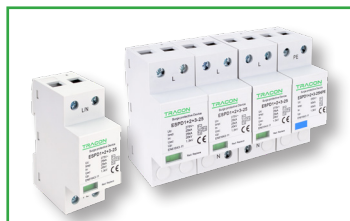
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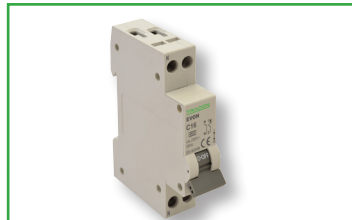
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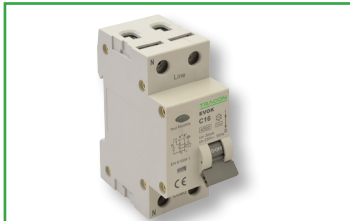
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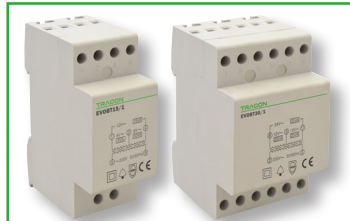
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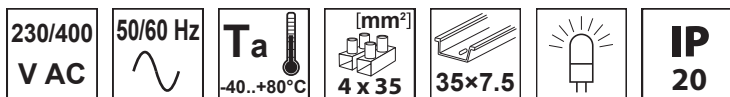


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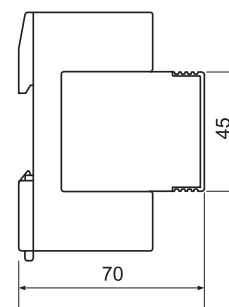
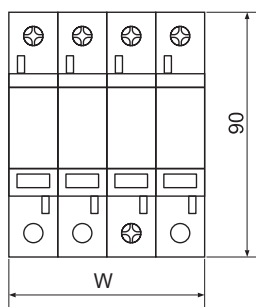
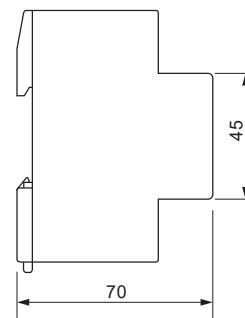
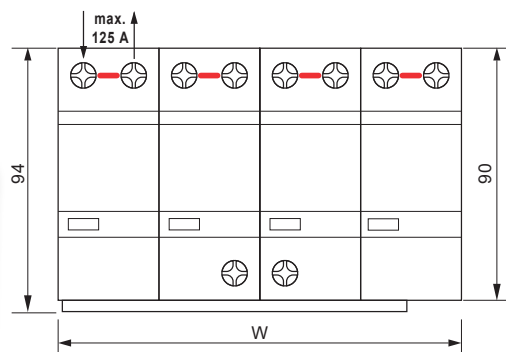
# Scaricatore sovratensione tipo 1+2



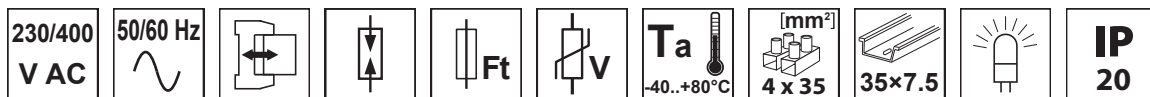
TRACON	xP	U <sub>c</sub>	I <sub>imp</sub> L-N/(N-PE)1P 10/350µs	I <sub>n</sub> L-N/(N-PE) 8/20µs	I <sub>max</sub> 8/20µs	U <sub>p</sub> L-N/(N-PE)	gG	W (mm)
<b>ESPD1+2-50-1P</b>	1P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV	500 A	TN
<b>ESPD1+2-50-2P</b>	2P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN
<b>ESPD1+2-50-3P</b>	3P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN-C
<b>ESPD1+2-50-4P</b>	4P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN-S
<b>ESPD1+2-50-1+1P</b>	1+1P	385 V AC	50 kA / 100 kA	50 kA / 100 kA	160 kA / 200 kA	≤ 2,5 kV		TN, TT
<b>ESPD1+2-50-3+1P</b>	3+1P	385 V AC	50 kA / 100 kA	50 kA / 100 kA	160 kA / 200 kA	≤ 2,5 kV		TN-S, TT
<b>ESPD1+2-12.5-1P</b>	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	160 A	TN
<b>ESPD1+2-12.5-2P</b>	2P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN
<b>ESPD1+2-12.5-3P</b>	3P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN-C
<b>ESPD1+2-12.5-4P</b>	4P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN-S
<b>ESPD1+2-12.5-1+1P</b>	1+1P	275 V AC	12,5 kA	20 kA / 40 kA	50 kA / 70 kA	≤ 1,3 kV / 1,5 kV		TN, TT
<b>ESPD1+2-12.5-3+1P</b>	3+1P	275 V AC	12,5 kA	20 kA / 40 kA	50 kA / 70 kA	≤ 1,3 kV / 1,5 kV		TN-S, TT
<b>ESPD1+2-12.5M*</b>	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	-	TN
<b>ESPD1+2-12.5MO*</b>	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	-	TN
<b>ESPD1+2-12.5NPE*</b>	+1P	275 V AC	12,5 kA	40 kA	70 kA	≤ 1,5 kV	-	TN, TT
<b>ESPD1+2-12.5NPEO*</b>	+1P	275 V AC	12,5 kA	40kA	70kA	≤ 1,5 kV	-	TN, TT

\* inserto sostituibile

\*\* La forma del perno di collegamento



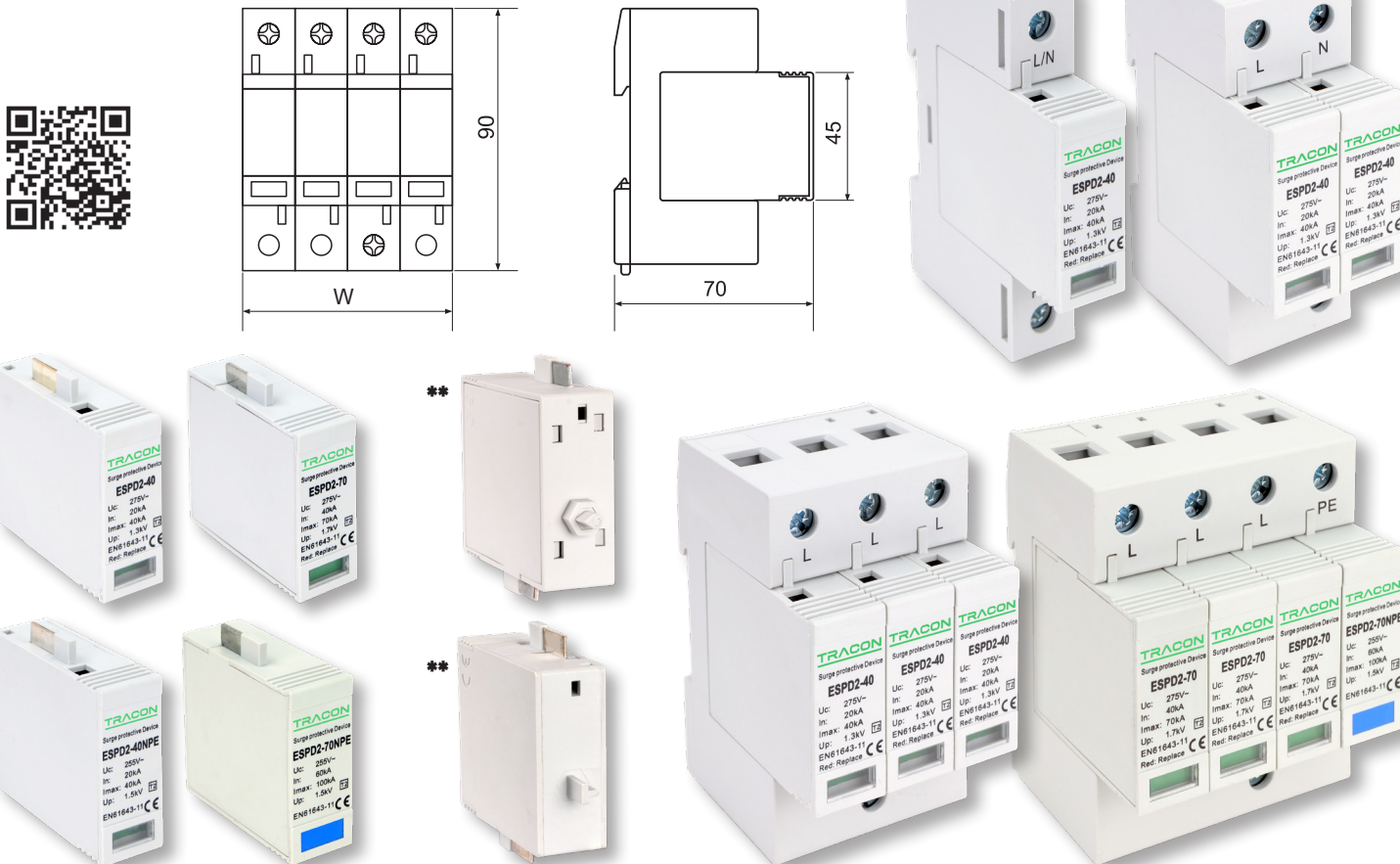
## Scaricatore sovratensione tipo 2



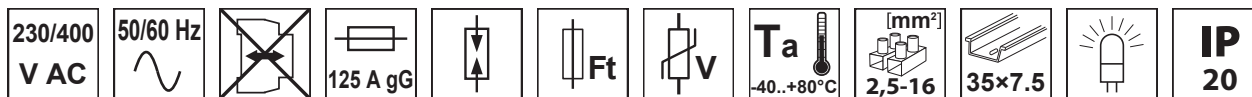
TRACON	$\times P$	$U_c$	$I_n$ L-N/(N-PE) 8/20 $\mu$ s	$I_{max}$ 8/20 $\mu$ s	$U_p$ L-N/(N-PE)	$gG$	$w$ (mm)
<b>ESPD2-40-1P</b>	1P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV	125 A	TN 18
<b>ESPD2-40-2P</b>	2P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV		TN 36
<b>ESPD2-40-3P</b>	3P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV		TN-C 54
<b>ESPD2-40-4P</b>	4P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV		TN-S 72
<b>ESPD2-40-1+1P</b>	1+1P	275 / 255 V AC	20 kA	40 kA	$\leq 1,3$ kV / 1,5 kV		TN, TT 36
<b>ESPD2-40-3+1P</b>	3+1P	275 / 255 V AC	20 kA	40 kA	$\leq 1,3$ kV / 1,5 kV	TN-S, TT 72	
<b>ESPD2-40M*</b>	1P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV	-	TN 18
<b>ESPD2-40MO*</b>	1P	275 V AC	20 kA	40 kA	$\leq 1,3$ kV	-	TN 18
<b>ESPD2-40NPE*</b>	+1P	255 V AC	20 kA	40 kA	$\leq 1,5$ kV	-	TN, TT 18
<b>ESPD2-40NPEO*</b>	+1P	255 V AC	20 kA	40 kA	$\leq 1,5$ kV	-	TN, TT 18
<b>ESPD2-70-1P</b>	1P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV	200 A	TN 18
<b>ESPD2-70-2P</b>	2P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV		TN 36
<b>ESPD2-70-3P</b>	3P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV		TN-C 54
<b>ESPD2-70-4P</b>	4P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV		TN-S 72
<b>ESPD2-70-1+1P</b>	1+1P	275 / 255 V AC	40 kA	70 kA	$\leq 1,7$ kV / 1,5 kV		TN, TT 36
<b>ESPD2-70-3+1P</b>	3+1P	275 / 255 V AC	40 kA	70 kA	$\leq 1,7$ kV / 1,5 kV	TN-S, TT 72	
<b>ESPD2-70M*</b>	1P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV	-	TN 18
<b>ESPD2-70MO*</b>	1P	275 V AC	40 kA	70 kA	$\leq 1,7$ kV	-	TN 18
<b>ESPD2-70NPE*</b>	+1P	255 V AC	40 kA	70 kA	$\leq 1,5$ kV	-	TN, TT 18
<b>ESPD2-70NPEO*</b>	+1P	255 V AC	40 kA	70 kA	$\leq 1,5$ kV	-	TN, TT 18

\* inserto sostituibile

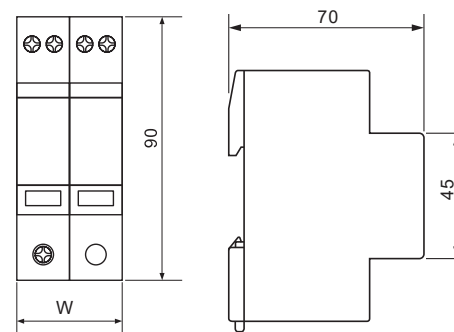
\*\* La forma del perno di collegamento



### Scaricatore sovratensione tipo 2+3



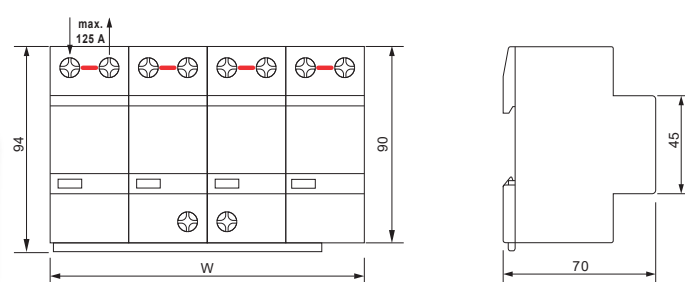
TRACON	xP	U <sub>c</sub>	I <sub>n</sub> L-N/(N-PE) 8/20µs	I <sub>max</sub> 8/20µs	U <sub>oc</sub>	U <sub>p</sub> L-N/(N-PE)	W (mm)
ESPD2+3-40-2P	2P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN 18
ESPD2+3-40-4P	4P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN-S 36
ESPD2+3-40-1+1P	1+1P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV / 1,5 kV	TN, TT 18
ESPD2+3-40-3+1P	3+1P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV / 1,5 kV	TN-S, TT 36



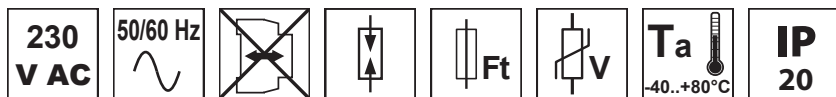
### Scaricatore sovratensione tipo 1+2+3



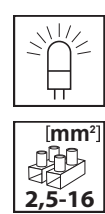
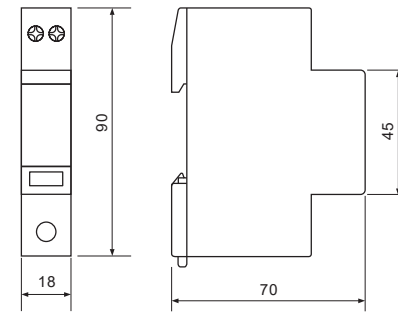
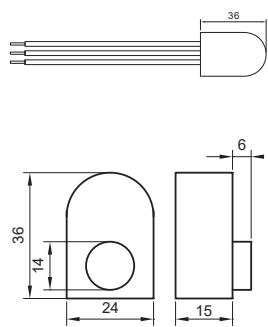
TRACON	xP	U <sub>c</sub>	I <sub>imp</sub> L-N/(N-PE)1P 10/350µs	I <sub>n</sub> L-N/(N-PE) 8/20µs	I <sub>max</sub> 8/20µs	U <sub>oc</sub>	U <sub>p</sub> L-N/(N-PE)	W (mm)
ESPD1+2+3-25-1P	1P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN 36
ESPD1+2+3-25-2P	2P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN 72
ESPD1+2+3-25-3P	3P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN-C 108
ESPD1+2+3-25-4P	4P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN-S 144
ESPD1+2+3-25-1+1P	1+1P	275 V AC	25 kA / 100 kA	25 kA / 100 kA	100 kA	20 kV	≤ 1,3 kV / 1,5 kV	TN, TT 72
ESPD1+2+3-25-3+1P	3+1P	275 V AC	25 kA / 100 kA	25 kA / 100 kA	100 kA	20 kV	≤ 1,3 kV / 1,5 kV	TN-S, TT 144



### Scaricatore sovratensione tipo 3

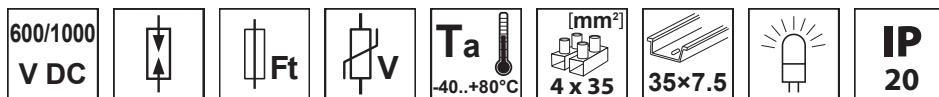


TRACON	xP	U <sub>n</sub>	U <sub>c</sub>	I <sub>n</sub> L-N/(N-PE) 8/20µs	I <sub>max</sub> 8/20µs	U <sub>oc</sub>	U <sub>p</sub>	gG	W (mm)	
ESPD3-3-2P	1+1P	230 V AC	275 V AC	3 kA	6 kA	6 kV	≤ 1,2 kV	16 A	TN, TT	36×24×15
ESPD3-5-1+1P	1+1P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤ 1,1 kV	32 A	TN, TT	18
ESPD3-5-2P	2P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤ 1,1 kV	32 A	TN	18
ESPD3-10-1+1P	1+1P	230 V AC	275 V AC	10 kA	20 kA	20 kV	≤ 1,2 kV	63 A	TN, TT	18
ESPD3-10-2P	2P	230 V AC	275 V AC	10 kA	20 kA	20 kV	≤ 1,2 kV	63 A	TN	18



ESPD3-3-2P

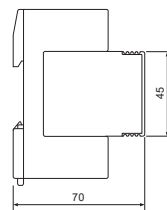
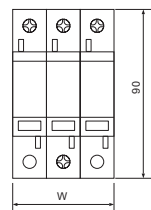
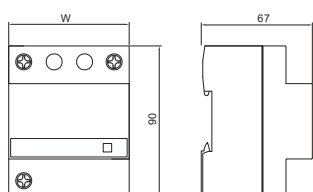
### Scaricatore sovratensione tipo 1+2 e 2 DC



TRACON	xP	U <sub>n</sub>	U <sub>c</sub>	gG	I <sub>imp</sub> L-N/(N-PE)1P 10/350µs	I <sub>n</sub> L-N/(N-PE) 8/20µs	I <sub>max</sub> 8/20µs	U <sub>p</sub>	W (mm)
ESPD1+2-DC50-600	3P	600 V DC	800 V DC	200 A	12,5 kA	20 kA	50 kA	≤ 3 kV	72
ESPD1+2-DC50-1000	3P	1.000 V DC	1.200 V DC		12,5 kA	20 kA	50 kA	≤ 4 kV	72
ESPD2-DC40-600	3P	600 V DC	800 V DC	125 A	-	20 kA	40 kA	≤ 3 kV	72
ESPD2-DC40-1000	3P	1.000 V DC	1.200 V DC		-	20 kA	40 kA	≤ 4 kV	72
ESPD2-DC40-600V*	**	600 V DC	800 V DC	-	-	20 kA	40 kA	≤ 3 kV	18
ESPD2-DC40-600VO*	**	600 V DC	800 V DC	-	-	20 kA	40 kA	≤ 3 kV	18
ESPD2-DC40-600VG*	**	600 V DC	800 V DC	-	-	20 kA	40 kA	≤ 3 kV	18
ESPD2-DC40-600VGO*	**	600 V DC	800 V DC	-	-	20 kA	40 kA	≤ 3 kV	18
ESPD2-DC40-1000V*	**	1.000 V DC	1.200 V DC	-	-	20 kA	40 kA	≤ 4 kV	18
ESPD2-DC40-1000VO*	**	1.000 V DC	1.200 V DC	-	-	20 kA	40 kA	≤ 4 kV	18
ESPD2-DC40-1000VG*	**	1.000 V DC	1.200 V DC	-	-	20 kA	40 kA	≤ 4 kV	18
ESPD2-DC40-1000VGO*	**	1.000 V DC	1.200 V DC	-	-	20 kA	40 kA	≤ 4 kV	18

\* inserto sostituibile

\*\* La forma del perno di collegamento



# Interruttore modulare EVOZ



230/400 V AC	$\times 20.000$	$\times 4.000$	<b>IP</b> 20	35x7.5	[mm <sup>2</sup> ] 1,0-25	<b>Ta</b> -25...+55°C	<b>Ui</b> 500 V		<b>I<sup>2t</sup></b> 3	<b>Icn</b> EN 60898 6 kA	OFF
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## TRACON



**I<sub>n</sub>**  
(A)

EVOZ1B1	EVOZ1C1	1
EVOZ1B2	EVOZ1C2	2
EVOZ1B4	EVOZ1C4	4
EVOZ1B6	EVOZ1C6	6
EVOZ1B10	EVOZ1C10	10
EVOZ1B13	EVOZ1C13	13
EVOZ1B16	EVOZ1C16	16
EVOZ1B20	EVOZ1C20	20
EVOZ1B25	EVOZ1C25	25
EVOZ1B32	EVOZ1C32	32
EVOZ1B40	EVOZ1C40	40
EVOZ1B50	EVOZ1C50	50
EVOZ1B63	EVOZ1C63	63
EVOZ2B1	EVOZ2C1	1
EVOZ2B2	EVOZ2C2	2
EVOZ2B4	EVOZ2C4	4
EVOZ2B6	EVOZ2C6	6
EVOZ2B10	EVOZ2C10	10
EVOZ2B13	EVOZ2C13	13
EVOZ2B16	EVOZ2C16	16
EVOZ2B20	EVOZ2C20	20
EVOZ2B25	EVOZ2C25	25
EVOZ2B32	EVOZ2C32	32
EVOZ2B40	EVOZ2C40	40
EVOZ2B50	EVOZ2C50	50
EVOZ2B63	EVOZ2C63	63

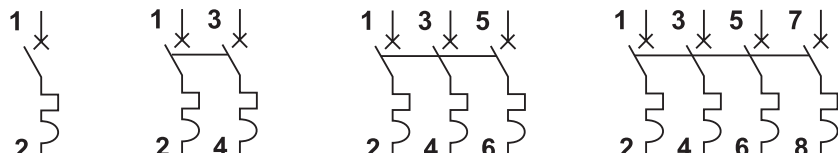
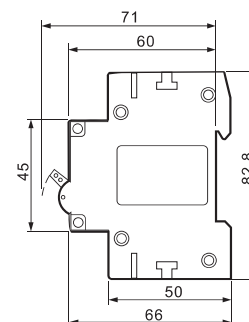
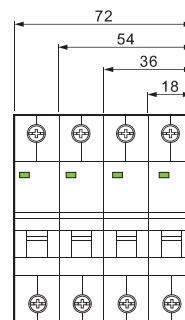
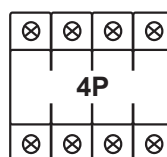


## TRACON



**I<sub>n</sub>**  
(A)

EVOZ3B1	EVOZ3C1	1
EVOZ3B2	EVOZ3C2	2
EVOZ3B4	EVOZ3C4	4
EVOZ3B6	EVOZ3C6	6
EVOZ3B10	EVOZ3C10	10
EVOZ3B13	EVOZ3C13	13
EVOZ3B16	EVOZ3C16	16
EVOZ3B20	EVOZ3C20	20
EVOZ3B25	EVOZ3C25	25
EVOZ3B32	EVOZ3C32	32
EVOZ3B40	EVOZ3C40	40
EVOZ3B50	EVOZ3C50	50
EVOZ3B63	EVOZ3C63	63
EVOZ4B1	EVOZ4C1	1
EVOZ4B2	EVOZ4C2	2
EVOZ4B4	EVOZ4C4	4
EVOZ4B6	EVOZ4C6	6
EVOZ4B10	EVOZ4C10	10
EVOZ4B13	EVOZ4C13	13
EVOZ4B16	EVOZ4C16	16
EVOZ4B20	EVOZ4C20	20
EVOZ4B25	EVOZ4C25	25
EVOZ4B32	EVOZ4C32	32
EVOZ4B40	EVOZ4C40	40
EVOZ4B50	EVOZ4C50	50
EVOZ4B63	EVOZ4C63	63

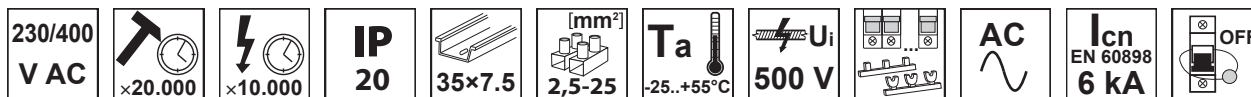


RELEVANT STANDARD  
EN 60898-1

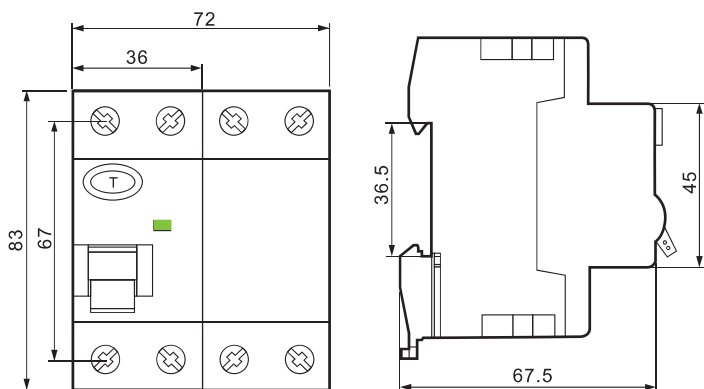
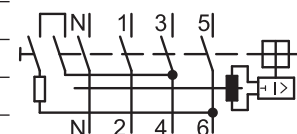
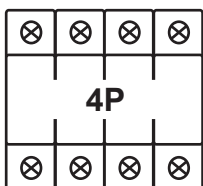
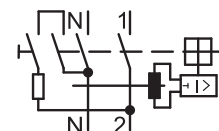
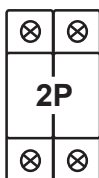
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EN 60947-2



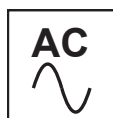
# Interruttore differenziale EVOV



TRACON	$I_n$ (A)	$I_{\Delta n}$ (mA)
EVOV2P2503	25	30
EVOV2P4003	40	30
EVOV2P6303	63	30
EVOV2P8003	80	30
EVOV2P251	25	100
EVOV2P401	40	100
EVOV2P631	63	100
EVOV2P801	80	100
EVOV2P253	25	300
EVOV2P403	40	300
EVOV2P633	63	300
EVOV2P803	80	300
EVOV4P2503	25	30
EVOV4P4003	40	30
EVOV4P6303	63	30
EVOV4P8003	80	30
EVOV4P251	25	100
EVOV4P401	40	100
EVOV4P631	63	100
EVOV4P801	80	100
EVOV4P253	25	300
EVOV4P403	40	300
EVOV4P633	63	300
EVOV4P803	80	300

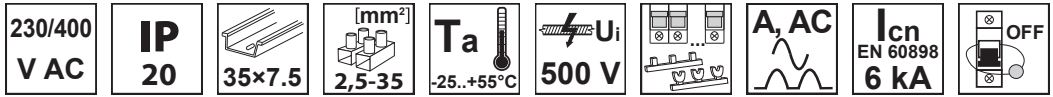


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EN 61008-1

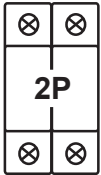


Per reti di corrente alternata!

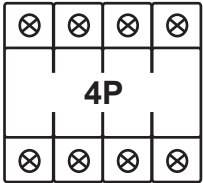
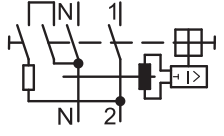
# Interruttore differenziale EVOG, tipo A



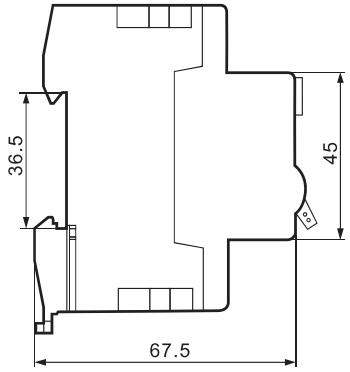
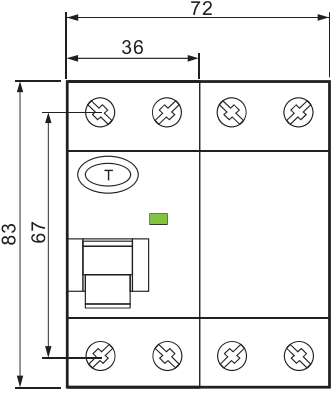
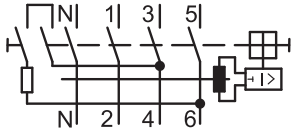
TRACON	I <sub>n</sub> (A)	I <sub>Δn</sub> (mA)
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EVOG2P2503	25	30
EVOG2P4003	40	30
EVOG2P6303	63	30
EVOG2P8003	80	30
EVOG2P251	25	100
EVOG2P401	40	100
EVOG2P631	63	100
EVOG2P801	80	100
EVOG2P253	25	300
EVOG2P403	40	300
EVOG2P633	63	300
EVOG2P803	80	300



EVOG4P2503	25	30
EVOG4P4003	40	30
EVOG4P6303	63	30
EVOG4P8003	80	30
EVOG4P251	25	100
EVOG4P401	40	100
EVOG4P631	63	100
EVOG4P801	80	100
EVOG4P253	25	300
EVOG4P403	40	300
EVOG4P633	63	300
EVOG4P803	80	300



Per reti di corrente alternata e di corrente continua pulsante!

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EN 61008-1



## Interruttori differenziali, tipo B, 10kA

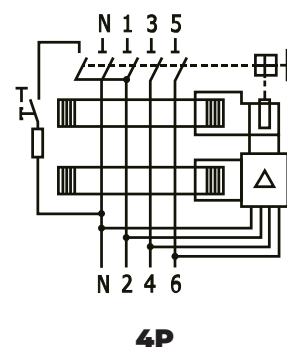
230 V AC	B	$\times 4.000$	$U_i$ 500 V	$I_{cn}$ EN60698 10 kA	35×7.5	$\times 10.000$	[mm <sup>2</sup> ] 1-25	Ta -30..+45 °C	IP 20
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<b>TIPO B</b>	<b>10 kA</b>	B
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PER CORRENTI RESIDUE IN CA ,  
CC PULSATA E ALTA FREQUENZA



TRACON		$I_n$ (A)	$I_{\Delta n}$ (mA)
 2P	EVOB2P1603	16A	30 mA
	EVOB2P2503	25A	
	EVOB2P4003	40A	
	EVOB2P6303	63A	
	EVOB2P8003	80A	
 4P	EVOB4P1603	16A	30 mA
	EVOB4P2503	25A	
	EVOB4P4003	40A	
	EVOB4P6303	63A	
	EVOB4P8003	80A	



## Interruttori differenziali, tipo A, 10 kA

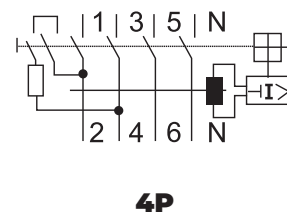
230 V AC	A	$\times 4.000$	$U_i$ 500 V	$I_{cn}$ EN60698 10 kA	35×7.5	$\times 10.000$	[mm <sup>2</sup> ] 2,5-35	Ta -25..+55°C	IP 20
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<b>TIPO A</b>	<b>10 kA</b>	A
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PER CORRENTI RESIDUE CA , CC PULSATA



TRACON		$I_n$ (A)	$I_{\Delta n}$ (mA)
 2P	EVOAG2P1603	16A	30 mA
	EVOAG2P2503	25A	
	EVOAG2P4003	40A	
	EVOAG2P6303	63A	
	EVOAG2P8003	80A	
 4P	EVOAG4P1603	16A	30 mA
	EVOAG4P2503	25A	
	EVOAG4P4003	40A	
	EVOAG4P6303	63A	
	EVOAG4P8003	80A	



# EVOAGS interruttori differenziali selettivi, tipo A/S, 10kA

<b>230 V AC</b>	<b>A S</b>	<b>x4.000</b>	<b>500 V</b>	<b>Icn EN60698 10 kA</b>	<b>35x7.5</b>	<b>x10.000</b>	<b>[mm<sup>2</sup>] 2,5-35</b>	<b>Ta -25..+55°C</b>	<b>IP 20</b>
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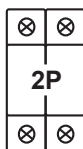
**TIPO A/S**

**10 kA**

**A S**

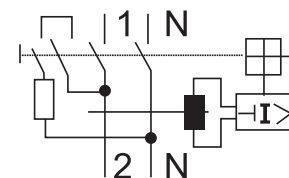
**PER CORRENTI RESIDUE CA - CC PULSATA (SELETTIVO)**

TRACON	I <sub>n</sub> (A)	IΔ <sub>n</sub> (mA)
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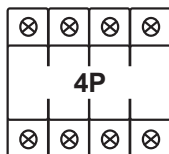


<b>EVOAGS2P251</b>	25A
<b>EVOAGS2P401</b>	40A
<b>EVOAGS2P631</b>	63A
<b>EVOAGS2P801</b>	80A
<b>EVOAGS2P1001</b>	100A
<b>EVOAGS2P253</b>	25A
<b>EVOAGS2P403</b>	40A
<b>EVOAGS2P633</b>	63A
<b>EVOAGS2P803</b>	80A
<b>EVOAGS2P1003</b>	100A

**100 mA**

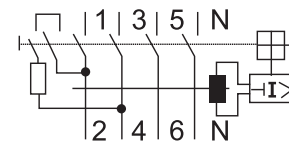


**300 mA**



<b>EVOAGS4P251</b>	25A
<b>EVOAGS4P401</b>	40A
<b>EVOAGS4P631</b>	63A
<b>EVOAGS4P801</b>	80A
<b>EVOAGS4P1001</b>	100A
<b>EVOAGS4P253</b>	25A
<b>EVOAGS4P403</b>	40A
<b>EVOAGS4P633</b>	63A
<b>EVOAGS4P803</b>	80A
<b>EVOAGS4P1003</b>	100A

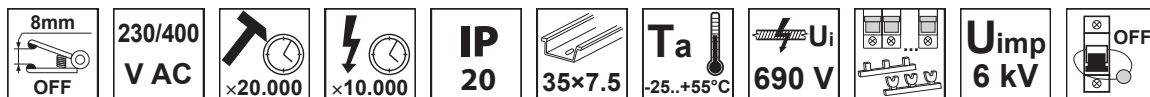
**100 mA**



**300 mA**

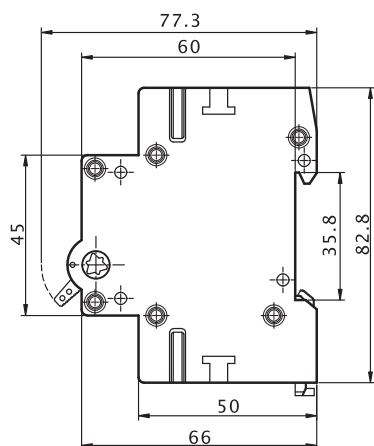
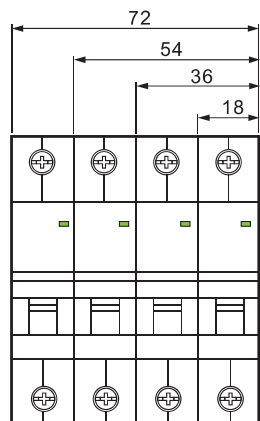
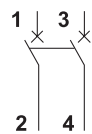
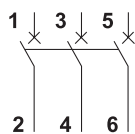
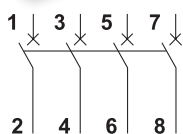
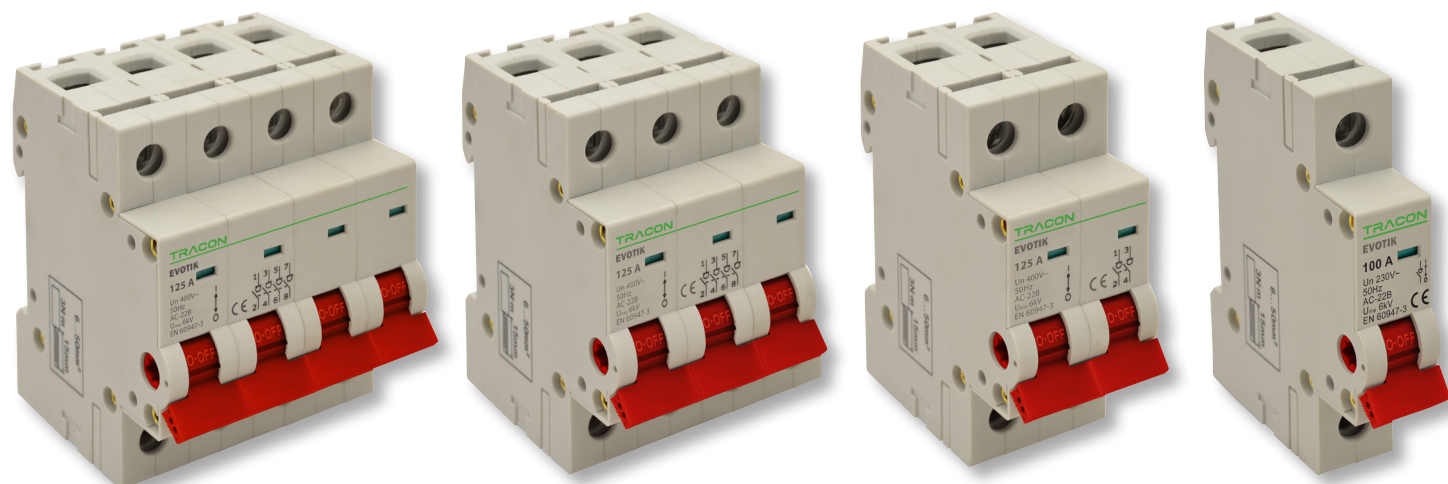


# Interruttore di separazione EVOTIK



TRACON	In (A)	mm <sup>2</sup>	
<b>TIK1-20</b>	20	1,5-50	
<b>TIK1-25</b>	25		
<b>TIK1-32</b>	32		
<b>TIK1-40</b>	40		
<b>TIK1-63</b>	63		
<b>TIK1-80</b>	80		
<b>TIK1-100</b>	100		
<b>TIK1-125</b>	125		
<b>TIK2-20</b>	20		1,5-50
<b>TIK2-25</b>	25		
<b>TIK2-32</b>	32		
<b>TIK2-40</b>	40		
<b>TIK2-63</b>	63		
<b>TIK2-80</b>	80		
<b>TIK2-100</b>	100		
<b>TIK2-125</b>	125		

TRACON	In (A)	mm <sup>2</sup>
<b>TIK3-20</b>	20	1,5-50
<b>TIK3-25</b>	25	
<b>TIK3-32</b>	32	
<b>TIK3-40</b>	40	
<b>TIK3-63</b>	63	
<b>TIK3-80</b>	80	
<b>TIK3-100</b>	100	
<b>TIK4-20</b>	20	1,5-50
<b>TIK4-25</b>	25	
<b>TIK4-32</b>	32	
<b>TIK4-40</b>	40	
<b>TIK4-63</b>	63	
<b>TIK4-80</b>	80	
<b>TIK4-100</b>	100	
<b>TIK4-125</b>	125	



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# Selettori modulari EVOSVK

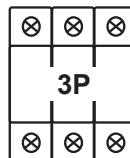
230/400 V AC	x30.000	x10.000	<b>IP</b> 20	35x7.5	[mm <sup>2</sup> ] 1-16	<b>Ta</b> -25..+55°C	<b>U<sub>i</sub></b> 690 V		<b>U<sub>imp</sub></b> 6 kV	1 0 2
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TRACON	I <sub>n</sub> (A)
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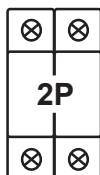


SVK1-16	16
SVK1-32	32
SVK1-63	63

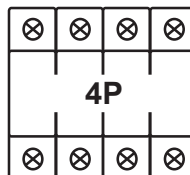
TRACON	I <sub>n</sub> (A)
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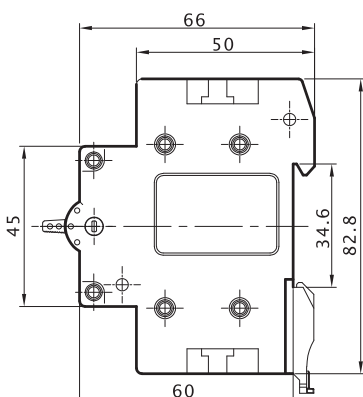
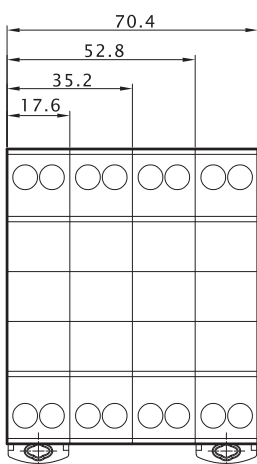
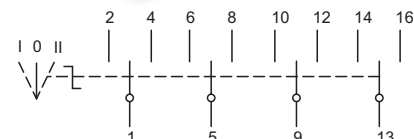
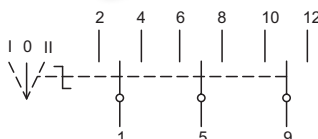
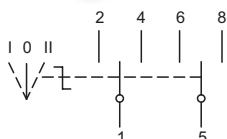
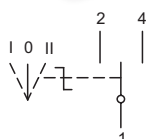
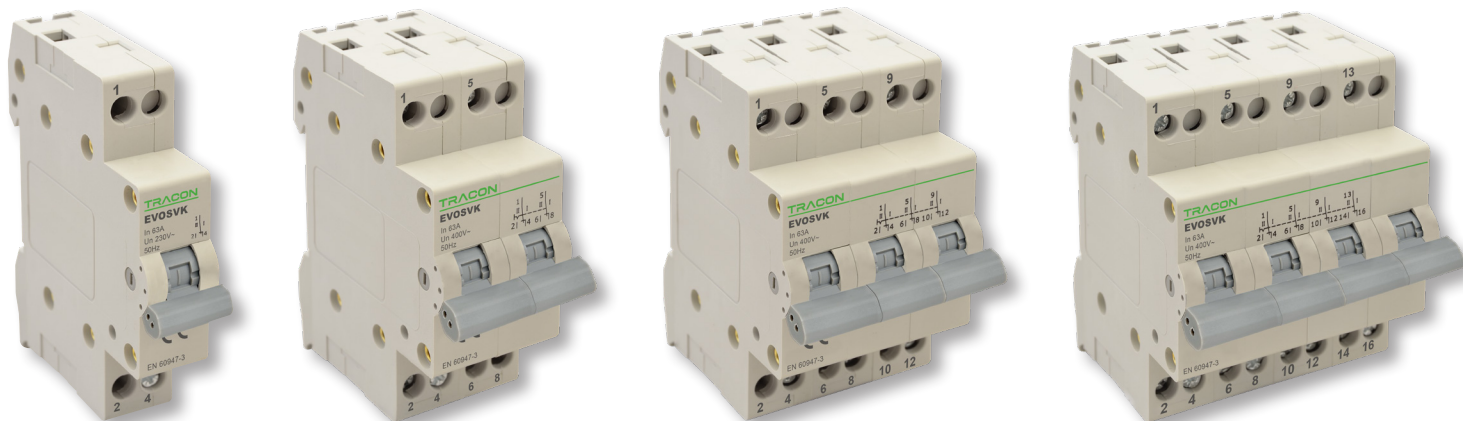
SVK3-16	16
SVK3-32	32
SVK3-63	63



SVK2-16	16
SVK2-32	32
SVK2-63	63



SVK4-16	16
SVK4-32	32
SVK4-63	63

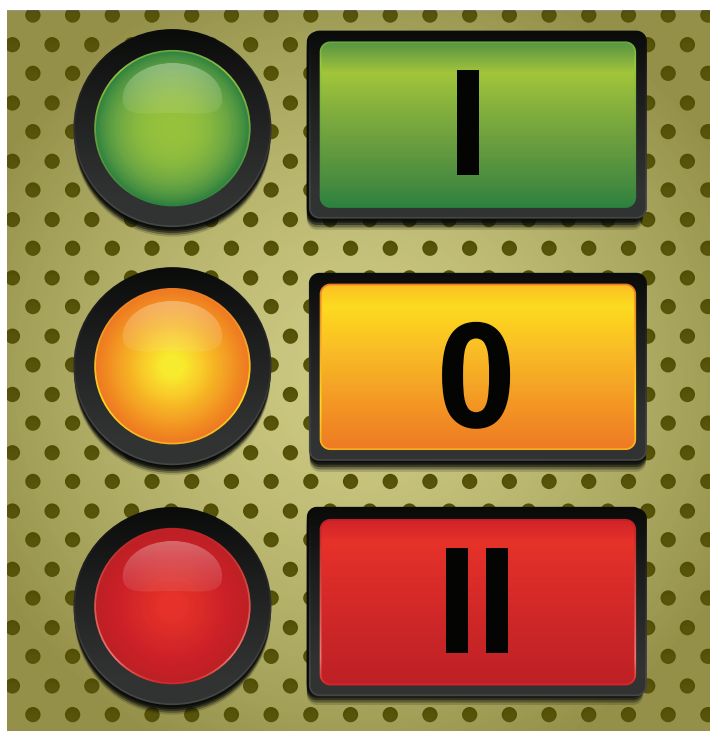


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EN 60947-3




RELEVANT STANDARD  
EN 60669-1




TÜV MEEI TEST DOCUMENTATION  
28211822 001



## EVOMS sezionatore di sicurezza bloccabile

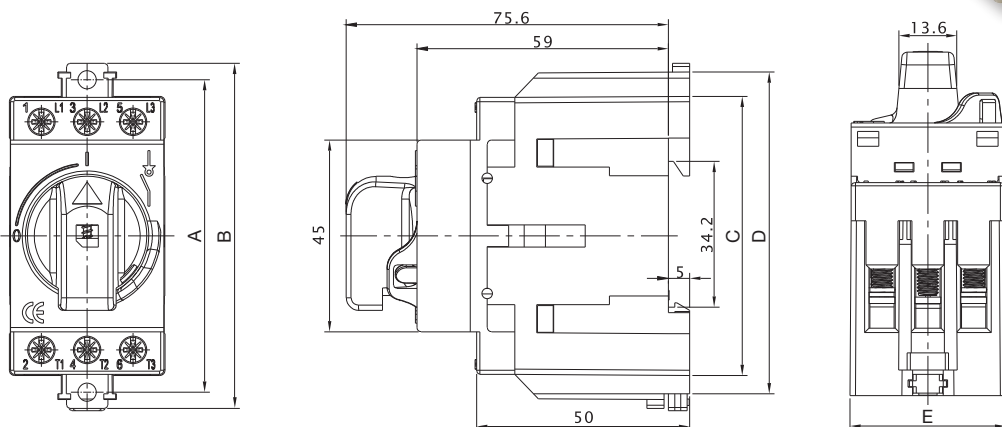
230/400 V AC	<b>IP</b> 20	 35×7.5	<b>T<sub>a</sub></b> -25..+55°C	 800 V	
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TRACON	I <sub>th</sub> (40 °C)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	 mm <sup>2</sup>
EVOMS16/3	16A/3P						
EVOMS20/3	20A/3P						
EVOMS25/3	25A/3P	73,3	81	65,5	75,5	36,5	1,5-16
EVOMS40/3	40A/3P						
EVOMS80/3	80A/3P						
EVOMS100/3	100A/3P	88	97,5	76,5	93,5	52	25-50
EVOMS125/3	125A/3P						




EVOMS80






















EVOMS16

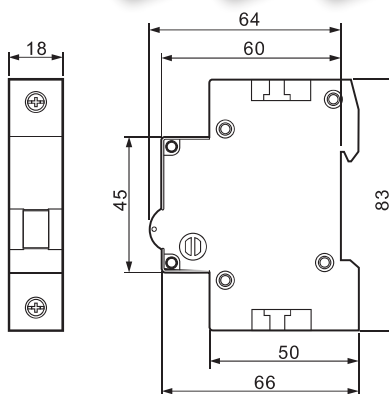


RELEVANT STANDARD  
EN 60947-3

## EVOSLJL lampade di segnalazione

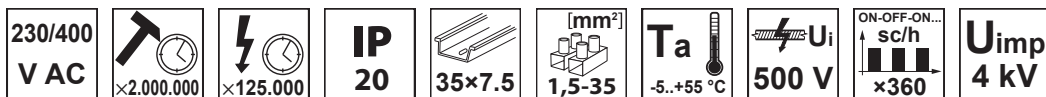
<b>P<sub>m</sub></b> 0,8 VA	 [h] 20.000		<b>IP</b> 20	 (mm <sup>2</sup> ) 1-25	 35×7.5	<b>T<sub>a</sub></b> -25..+55°C
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TRACON		<b>U<sub>n</sub></b>	 × <b>L<sub>E</sub>D</b>
SLJL-AC230-P		230 V AC	× 1 LED
SLJL-AC230-Z		230 V AC	× 1 LED
SLJL-AC230-S		230 V AC	× 1 LED
SLJL-AC230-F		230 V AC	× 1 LED
SLJL-AC230-K		230 V AC	× 1 LED
SLJL-AC24-P		24 V AC	× 1 LED
SLJL-AC24-Z		24 V AC	× 1 LED
SLJL-AC24-S		24 V AC	× 1 LED
SLJL-AC24-F		24 V AC	× 1 LED
SLJL-AC24-K		24 V AC	× 1 LED
SLJL-AC230-3Z		3×230 V AC	× 3 LED
SLJL-AC230-SZP		3×230 V AC	× 3 LED
SLJL-DC220-P		220 V DC	× 1 LED
SLJL-DC220-Z		220 V DC	× 1 LED
SLJL-DC220-S		220 V DC	× 1 LED
SLJL-DC220-F		220 V DC	× 1 LED
SLJL-DC220-K		220 V DC	× 1 LED
SLJL-DC24-P		24 V DC	× 1 LED
SLJL-DC24-Z		24 V DC	× 1 LED
SLJL-DC24-S		24 V DC	× 1 LED
SLJL-DC24-F		24 V DC	× 1 LED
SLJL-DC24-K		24 V DC	× 1 LED

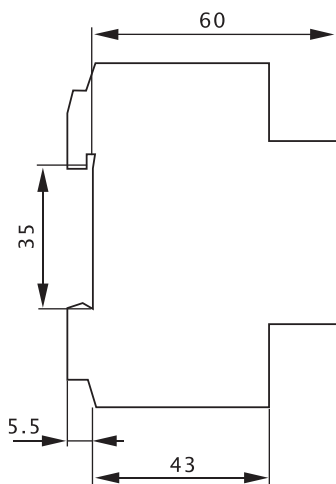
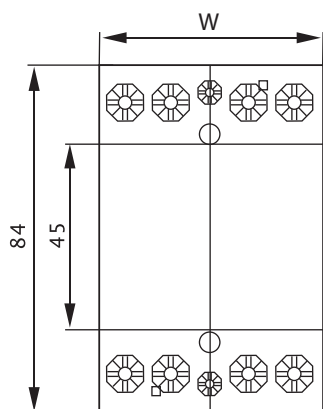


RELEVANT STANDARD  
EN 62094-1  
EN 60947-5

# Contattori modulari per installazioni

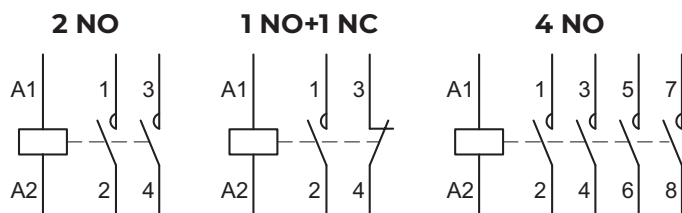


TRACON	U <sub>m</sub>	I <sub>n</sub> (A)	W (mm)	P <sub>e</sub> (kW)				P <sub>s</sub>			NC NO
				AC1 / AC7a 230V	AC3 / AC7b 230V	AC1 / AC7a 400V	AC3 / AC7b 400V				
EVOHK2-25	230 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG		2 x NO
EVOHK2-25-24	24 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG		2 x NO
EVOHK2-25V	230 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG		1 x NO+1 x NC
EVOHK2-40	230 V AC	40	35,4	9	2,2	-	-	1,55 W	32A gG		2 x NO
EVOHK2-63	230 V AC	63	35,4	11,6	3,3	-	-	1,55 W	50A gG		2 x NO
EVOHK2-80	230 V AC	80	54	16	5,5	-	-	1,55 W	63A gG		2 x NO
EVOHK2-100	230 V AC	100	54	19	6	-	-	1,55 W	80A gG		2 x NO
EVOHK4-25	230 V AC	25	35	5	1,5	16	4	1,35 W	20A gG		4 x NO
EVOHK4-25-24	24 V AC	25	35	5	1,5	16	4	1,35 W	20A gG		4 x NO
EVOHK4-40	230 V AC	40	53,3	9	2,2	27,5	12,5	1,55 W	32A gG		4 x NO
EVOHK4-63	230 V AC	63	53,3	11,6	3,3	40	15	1,55 W	50A gG		4 x NO
EVOHK4-80	230 V AC	80	108	16	5,5	50	18,5	1,55 W	63A gG		4 x NO
EVOHK4-100	230 V AC	100	108	19	6	60	22	1,55 W	80A gG		4 x NO



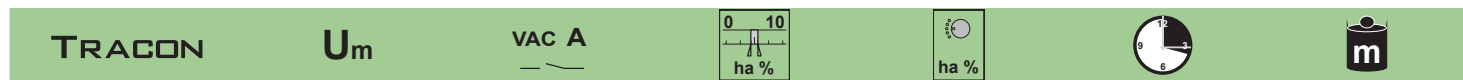
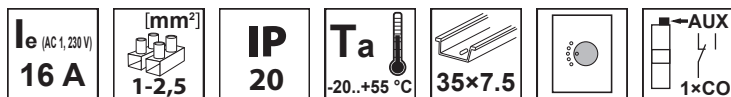
**RELEVANT STANDARD  
EN 60947-4-1**

**RELEVANT STANDARD  
EN 61095**

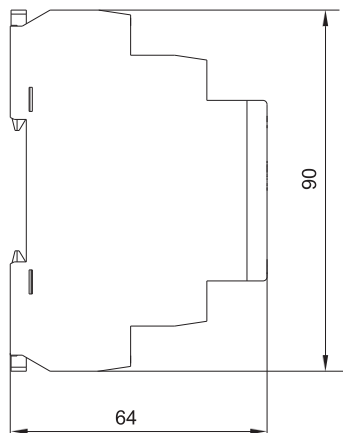




## Temporizzatore di accensione, modulare



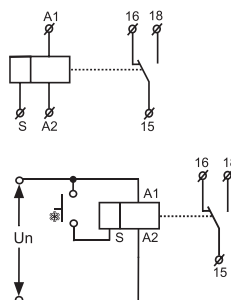
**NARIDON** AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 h 62 g



**RELEVANT STANDARD  
EN 61812-1**

Applicazione:

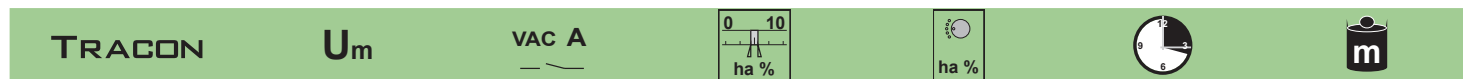
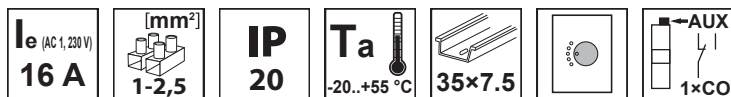
- per le attività in cui il tempo di funzionamento dipende dall'interruttore ON del dispositivo
- per pompe, riscaldamento, ventilazione, ecc



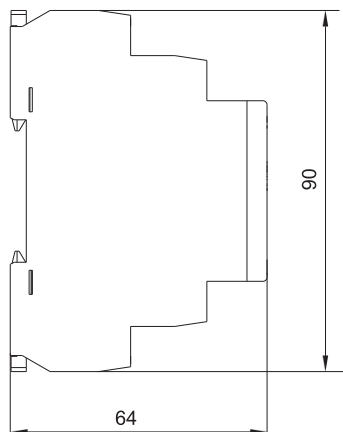
\* segnale di impulso



## Temporizzatore ad un funzione (ritardo di spegnimento)



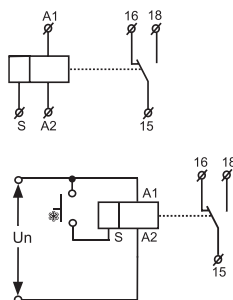
**NARIDOFF** AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 h 62 g



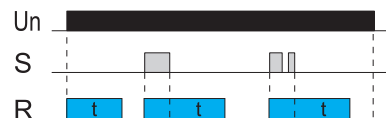
**RELEVANT STANDARD  
EN 61812-1**

Applicazione:

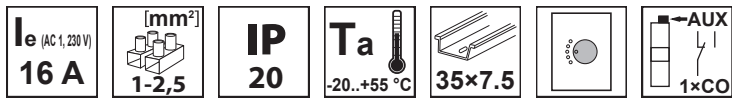
- per le attività in cui il tempo di funzionamento dipende dall'interruttore ON del dispositivo
- per pompe, riscaldamento, ventilazione, ecc



\* segnale di impulso



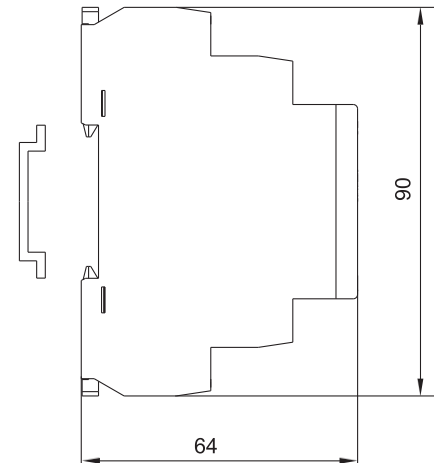
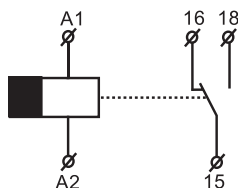
## Temporizzatore senza potenza



TRACON	Um	VAC A	0 10 ha %	ha %	0 12 6 h	m
NARIDOFFS	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 min.	86 g

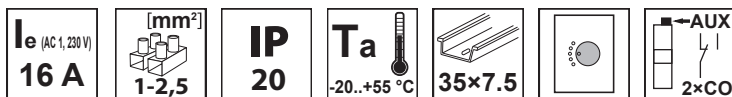
### Applicazione

- Passaggio all'alimentazione di sicurezza in caso di mancanza di tensione (EMERGlucce, gas di scarico EMERGENZA o porte a distanza - in caso di incendio)



**RELEVANT STANDARD  
EN 61812-1**

## Temporizzatore stella-triangolo



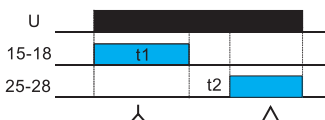
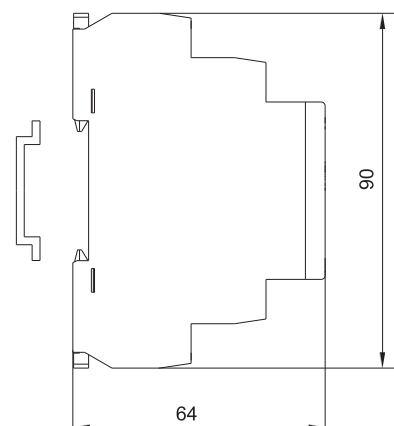
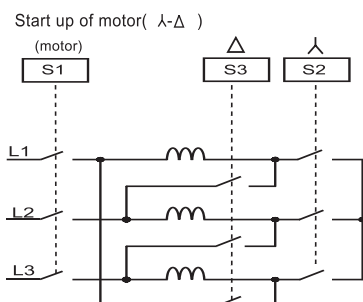
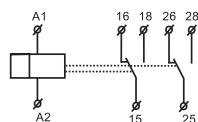
TRACON	Um	VAC A	0 10 ha %	ha %	t <sub>1</sub> Λ	t <sub>2</sub> Δ	m
NARIST	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 min.	0,1 s - 1 s	86 g

### Applicazione

- È adatta per la partenza stella-triangolo ai motori elettrici con rotore.
- È necessaria una corrente relativamente alta per avviare motori elettrici a rotore trifase a corto circuito. Per ridurre il consumo di corrente di avviamento elevato, i motori vengono avviati in una commutazione a stella e quindi, dopo che il motore ha raggiunto la velocità di funzionamento, le sue bobine vengono commutate in una in base all'esperienza operativa utilizzando un relè tempo impostato per delta switching



**RELEVANT STANDARD  
EN 61812-1**

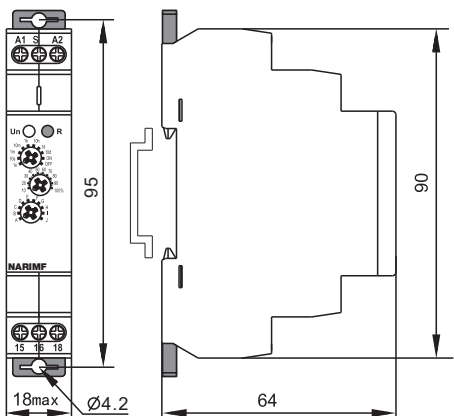


# Temporizzatore multifunzione ( 10 funzione )

<b>I<sub>e</sub></b> (AC 1, 230 V) <b>16 A</b>	<b>[mm<sup>2</sup>]</b> <b>1-2,5</b>	<b>IP</b> <b>20</b>	<b>T<sub>a</sub></b> -20...+55 °C	<b>35x7.5</b>	<b>1xCO</b>
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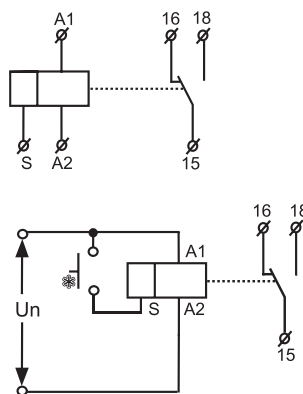
<b>TRACON</b>	<b>U<sub>m</sub></b>	<b>VAC A</b>	<b>0 10</b> ha %	<b>ha %</b>	<b>0,1 s - 10 d</b>	<b>m</b>
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**NARIMF** AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 d 64 g



### Applicazione

Questo relè multifunzione offre una vasta gamma di diverse attività di controllo del tempo con un solo dispositivo. (10 funzioni, 10 intervalli di tempo)



**RELEVANT STANDARD**  
**EN 61812-1**

\* segnale di impulso

A: ritardo di accensione



F: ritardo di spegnimento (segnale di controllo S, 1 tatto)



B: ritardo di spegnimento



G: Un tatto, impulso di controllo per il running edge (non può riavviare in stato ON)



C: lampeggiatore (inizia OFF)



H: ritardo ON e OFF



D: lampeggiante (si avvia)



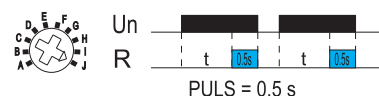
I: relè di impulso



E: ritardo di spegnimento (pausa del segnale S)



J: generatore di impulsi



Intervallo di tempo

0.1 - 1s	1 - 10s	6 - 60s	1 - 10min	6 - 60min	1 - 10hr	0.1 - 1day	1 - 10day	only ON	only OFF
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# Interruttore termico per alte potenze

230/400 V AC	$\times 20.000$	$\times 10.000$	<b>IP</b> 20	35x7.5	[mm <sup>2</sup> ] 16-50	<b>Ta</b> -25..+55°C	<b>U<sub>i</sub></b> 500 V		<b>I<sup>2</sup>t</b> 3	<b>I<sub>cn</sub></b> EN 60898 10 kA	
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**TRACON**

**C**

**I<sub>n</sub>**  
(A)

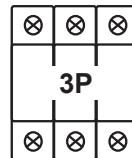
**TRACON**

**C**

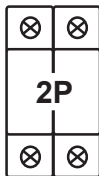
**I<sub>n</sub>**  
(A)



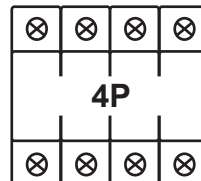
<b>EVOH163</b>	63
<b>EVOH180</b>	80
<b>EVOH1100</b>	100
<b>EVOH1125</b>	125



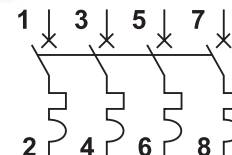
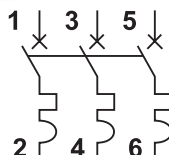
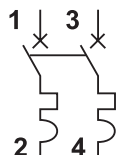
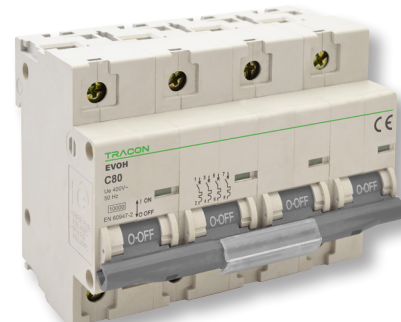
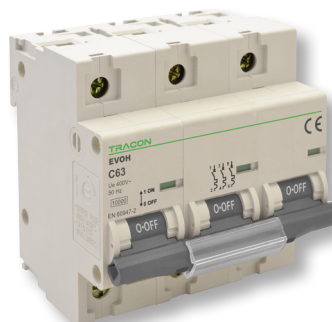
<b>EVOH363</b>	63
<b>EVOH380</b>	80
<b>EVOH3100</b>	100
<b>EVOH3125</b>	125



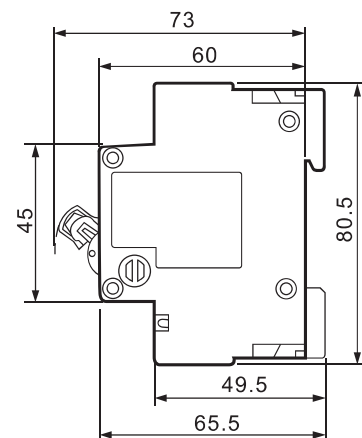
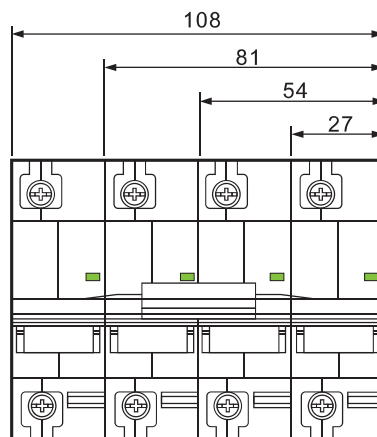
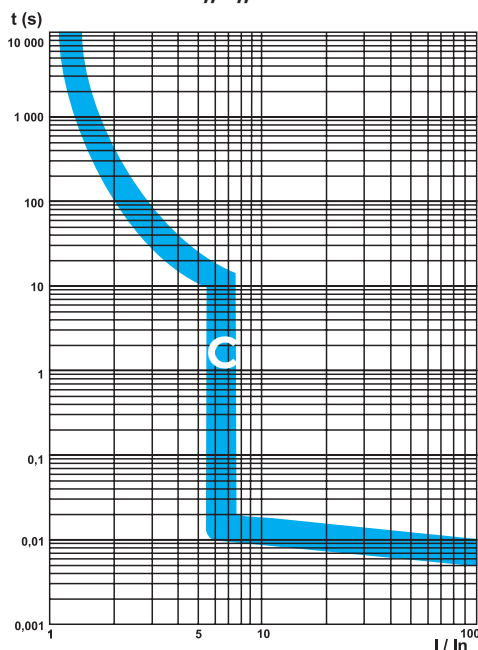
<b>EVOH263</b>	63
<b>EVOH280</b>	80
<b>EVOH2100</b>	100
<b>EVOH2125</b>	125



<b>EVOH463</b>	63
<b>EVOH480</b>	80
<b>EVOH4100</b>	100
<b>EVOH4125</b>	125

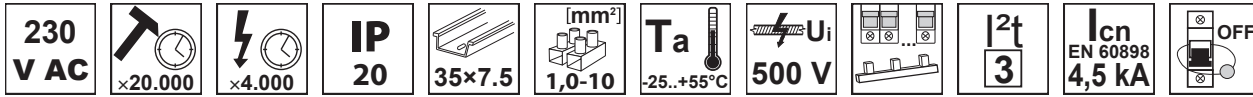


## Caratteristica „C„ di intervento



**RELEVANT STANDARD  
EN 60947-2**

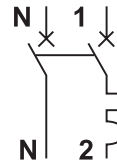
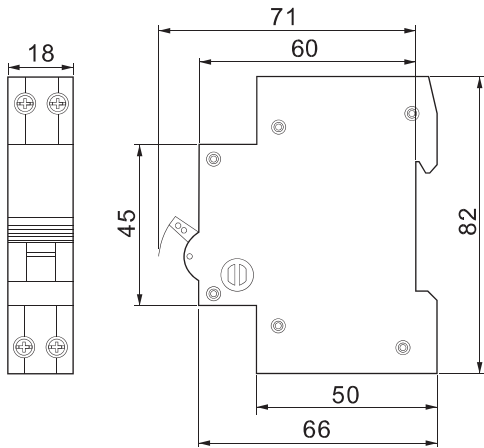
## Interruttori EVON



TRACON		$I_n$ (A)
	<b>C</b>	

⊗	⊗
<b>1P</b>	<b>N</b>
⊗	⊗

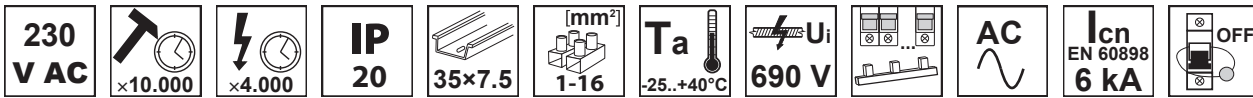
EVONC6	6
EVONC10	10
EVONC16	16
EVONC20	20
EVONC25	25
EVONC32	32



\* I dispositivi bipolari hanno un polo protetto (fase) e un polo neutro (N).

**RELEVANT STANDARD  
EN 60898-1**

## Interruttore differenziale combinato della larghezza di 1 modulo EVOKE

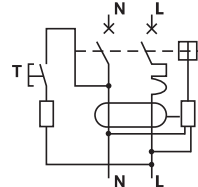


TRACON		$I_n$ (A)	$I_{\Delta n}$ (mA)
	<b>B</b>		
	<b>C</b>		

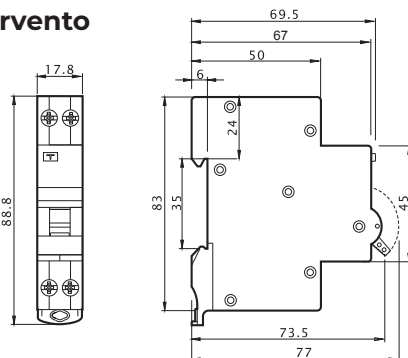
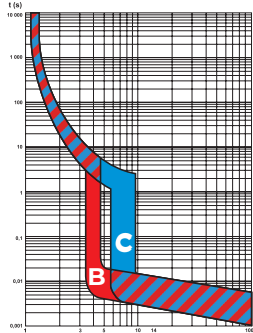
⊗	⊗
<b>2P</b>	
⊗	⊗

EVOKEB603	EVOKEC603	6	30
EVOKEB1003	EVOKEC1003	10	30
EVOKEB1303	EVOKEC1303	13	30
EVOKEB1603	EVOKEC1603	16	30
EVOKEB2003	EVOKEC2003	20	30
EVOKEB2503	EVOKEC2503	25	30
EVOKEB3203	EVOKEC3203	32	30
EVOKEB4003	EVOKEC4003	40	30

**E3**



### Caratteristica di intervento



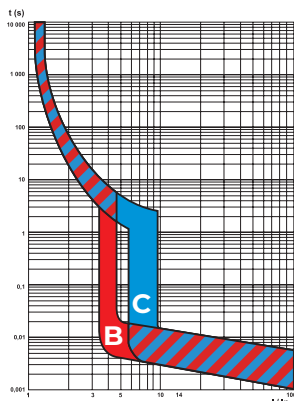
**RELEVANT STANDARD  
EN 61009-1**

## Interruttori differenziale combinato

230 V AC
 $\times 10.000$ 
 $\times 4.000$ 
IP 20
35x7.5
[mm<sup>2</sup>] 1,5-25
Ta -25..+40°C
690 V  $U_i$ 
AC
I<sub>cn</sub> EN 60898 4,5 kA
OFF

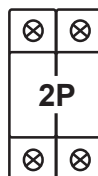


Caratteristica di intervento

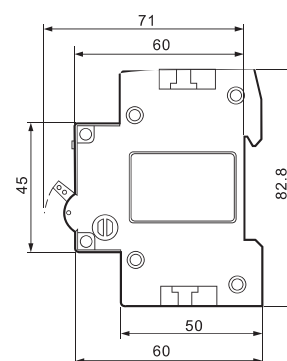
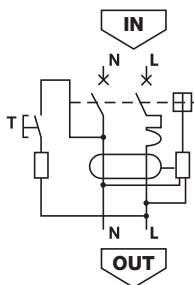


RELEVANT STANDARD  
EN 61009-1

TRACON		I <sub>n</sub> (A)	I $\Delta$ <sub>n</sub> (mA)
B	C		



EVOK2B603	EVOK2C603	6	30
EVOK2B1003	EVOK2C1003	10	30
EVOK2B1603	EVOK2C1603	16	30
EVOK2B2003	EVOK2C2003	20	30
EVOK2B2503	EVOK2C2503	25	30
EVOK2B3203	EVOK2C3203	32	30
EVOK2B4003	EVOK2C4003	40	30

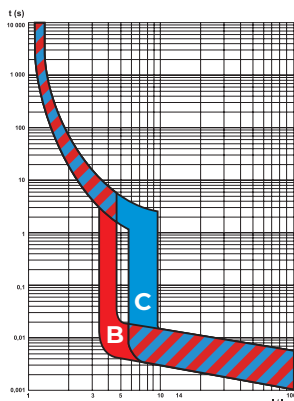


## Interruttori differenziale combinato elettromeccanico

230 V AC
 $\times 10.000$ 
 $\times 4.000$ 
IP 20
35x7.5
[mm<sup>2</sup>] 1,5-25
Ta -25..+55°C
690 V  $U_i$ 
AC
I<sub>cn</sub> EN 60898 6 kA
OFF



Caratteristica di intervento

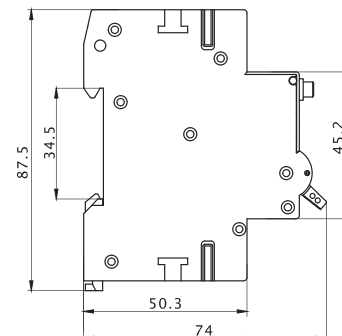
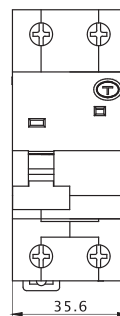
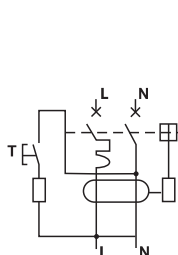


RELEVANT STANDARD  
EN 61009-1

TRACON		I <sub>n</sub> (A)	I $\Delta$ <sub>n</sub> (mA)
B	C		



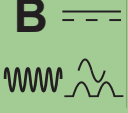
EVOKM2B603	EVOKM2C603	6	30
EVOKM2B1003	EVOKM2C1003	10	30
EVOKM2B1603	EVOKM2C1603	16	30
EVOKM2B2003	EVOKM2C2003	20	30
EVOKM2B2503	EVOKM2C2503	25	30
EVOKM2B3203	EVOKM2C3203	32	30
EVOKM2B4003	EVOKM2C4003	40	30
EVOKM2B5003	EVOKM2C5003	50	30
EVOKM2B6303	EVOKM2C6303	63	30



Gli interruttori di sicurezza combinati elettromeccanici sono protettivi contro la scossa elettrica anche in caso della rottura del cavo neutro!



## EVOBKM interruttore differenziale, tipo B, 6kA, 3P

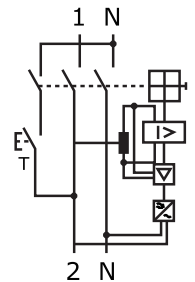
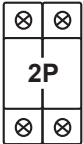
230 V AC
B
 $\times 4.000$ 
690 V
 $I_{cn}$  EN60698 10 kA
35x7.5
 $\times 10.000$ 
1,5-25 [mm<sup>2</sup>]
Ta -25..+40°C
IP 20

**tipo B**
**6 kA**


PER CORRENTI RESIDUE CA-CC PULSATA- ALTA FREQUENZA




TRACON		$I_n$ (A)	$I_{\Delta n}$ (mA)
			
EVOBKM2B603	EVOBKM2C603	6 A	30 mA
EVOBKM2B1003	EVOBKM2C1003	10 A	
EVOBKM2B1303	EVOBKM2C1303	13 A	
EVOBKM2B1603	EVOBKM2C1603	16 A	
EVOBKM2B2003	EVOBKM2C2003	20 A	
EVOBKM2B2503	EVOBKM2C2503	25 A	
EVOBKM2B3203	EVOBKM2C3203	32 A	
EVOBKM2B4003	EVOBKM2C4003	40 A	





## EVOK4 interruttore differenziale combinato, Tipo A, 10kA

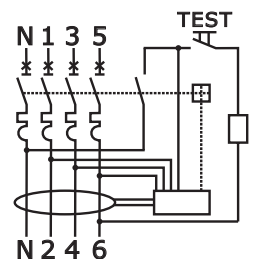
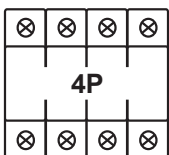
230/400 V AC
A
 $\times 100.000$ 
690 V
 $I_{cn}$  EN60698 10 kA
 $\times 20.000$ 
Ta -25..+40°C
1-25 [mm<sup>2</sup>]
E3
IP 20

**tipo A**
**10 kA**


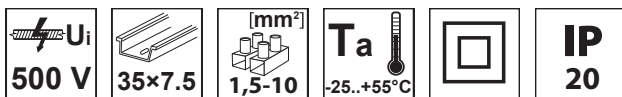
PER CORRENTI RESIDUE CA - CC PULSATA



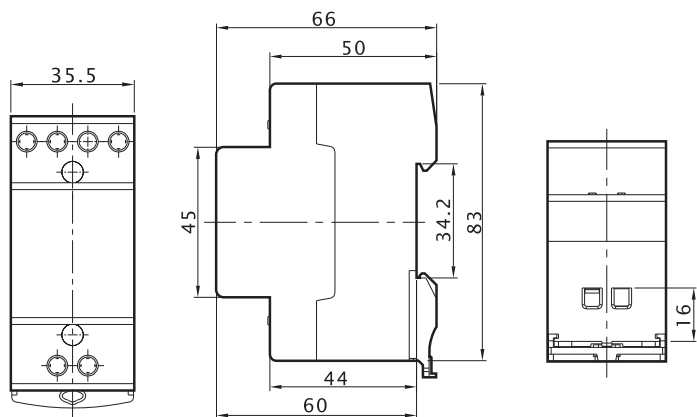
TRACON		$I_n$ (A)	$I_{\Delta n}$ (mA)
			
EVOK4B603	EVOK4C603	6 A	30 mA
EVOK4B1003	EVOK4C1003	10 A	
EVOK4B1303	EVOK4C1303	13 A	
EVOK4B1603	EVOK4C1603	16 A	
EVOK4B2003	EVOK4C2003	20 A	
EVOK4B2503	EVOK4C2503	25 A	
EVOK4B3203	EVOK4C3203	32 A	
EVOK4B4003	EVOK4C4003	40 A	
EVOK4B5003	EVOK4C5003	50 A	
EVOK4B6303	EVOK4C6303	63 A	



## Trasformatore di sicurezza per suoneria EVOBT



TRACON	$P_s$	$U_{pr}$	$U_{sec}$	$I_{sec}$
EVOBT15/1	max. 15 VA		4-8-12 V AC	1,25 A
EVOBT24/1	max. 15 VA	230 V AC	12-24 V AC	0,62 A
EVOBT30/1	max. 30 VA		12-12-24 V AC	1,25 A



EVOBT15/1

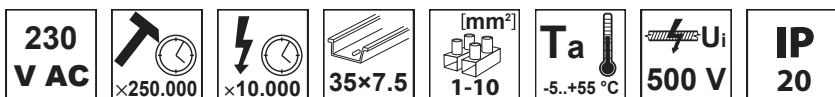
EVOBT30/1

RELEVANT STANDARD  
EN 60947-5-1

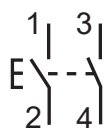
RELEVANT STANDARD  
EN 61558-2-8



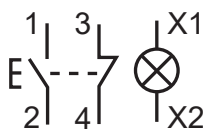
## EVOP pulsante modulare, selettore in plastica



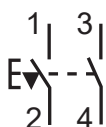
EVOBPB



EVOBPBL



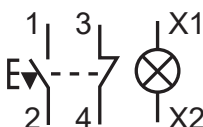
EVOPPS



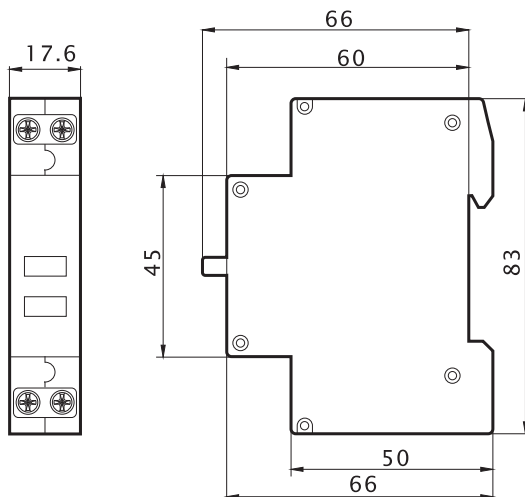
EVOPB2



EVOPSL



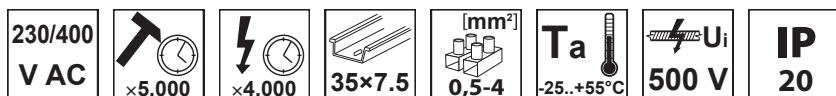
TRACON	$I_{th}$	$I_e$ (AC-14) (230V AC)	NC NO
EVOPPS	16 A	6 A	2 NO
EVOPPB	16 A	6 A	2 NO
EVOPB2	16 A	6 A	1 NO, 1 NC
EVOPBL	16 A	6 A	1 NO+1 NC
EVOPSL	16 A	6 A	1 NO+1 NC



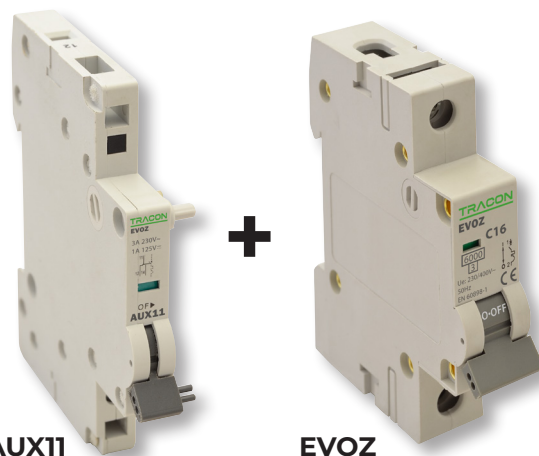
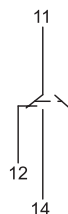
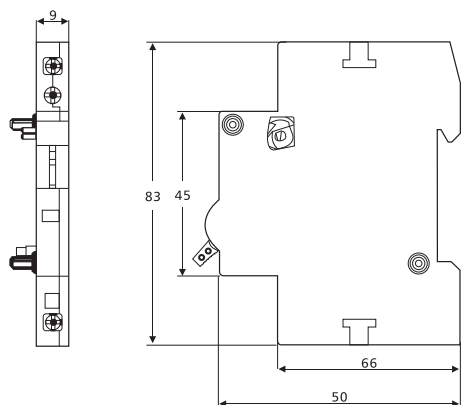
RELEVANT STANDARD  
EN 60947-5-1



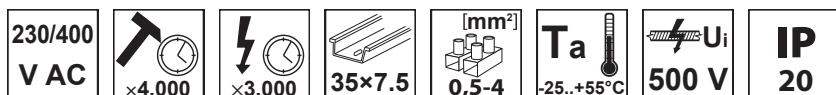
## Contatto di guasto ausiliare



TRACON		$I_n$ (A) 400 V AC	$I_n$ (A) 230 V AC	$I_n$ (A) 110 V DC	$I_n$ (A) 48 V DC	$I_n$ (A) 24 V DC
EVOZ-AUX11	EVOZ					
EVOH-AUX11	EVOH					
EVOTDA-AUX11	EVOTDA					
EVOZ-AL	EVOZ	3 A	6 A	1 A	2 A	4 A
EVOH-AL	EVOH					
EVOTDA-AL	EVOTDA					

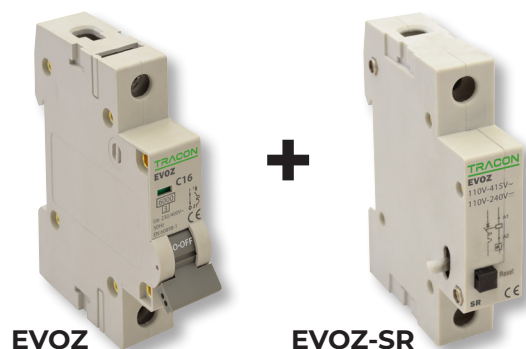
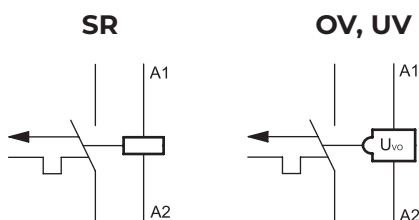
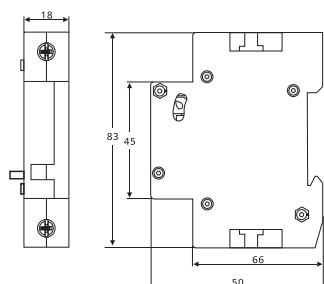


## Disconnettore sovra/sottovoltaggio per sistemi

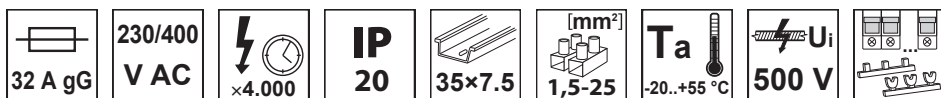


TRACON		$U_m$	$U_{up}$	$U_{down}$
EVOZ-SR*	EVOZ	110-415 V AC / 110-220 V DC	-	-
EVOH-SR*	EVOH	110-415 V AC / 110-220 V DC	-	-
EVOTDA-SR*	EVOTDA	110-415 V AC / 110-220 V DC	-	-
EVOZ-UOVR	EVOZ	-	280 V $\pm$ 5%	170 V $\pm$ 5%
EVOH-UOVR	EVOH	-	280 V $\pm$ 5%	170 V $\pm$ 5%
EVOTDA-UOVR	EVOTDA	-	280 V $\pm$ 5%	170 V $\pm$ 5%
EVOZ-OVR	EVOZ	-	280 V $\pm$ 5%	-
EVOZ-UVR	EVOZ	-	-	170 V $\pm$ 5%
EVOTDA-OVR	EVOTDA	-	280V $\pm$ 5%	-
EVOTDA-UVR	EVOTDA	-	-	170 V $\pm$ 5%

\*Interruttore di corrente



# Rele automatico di protezione sovra/sotto corrente



TRACON	2P		4P	
	EVOUO2	EVOUC2P63	EVOUO4	EVOUO4P63
Tensione nominale	230 V AC		230 V AC (L-N)	
Frequenza nominale	50 Hz			
Corrente nominale	40 A (AC 1)			
Consumo di energia elettrica	AC max. 3 VA			
Livello di protezione superiore	265 V (fix)		265 V (L-N) (fix)	
Livello di recupero superiore	257 V (fix)		257 V (L-N) (fix)	
Livello inferiore di protezione	175 V (fix)		175 V (L-N) (fix)	
Livello inferiore di richiusura	180 V (fix)		180 V (L-N) (fix)	
Tempo di commutazione	1 s			
Ritardo di commutazione	2 s			
Tempo di recesso	30 s			
Precisione di misurazione	≤1%			

Peso

120 g

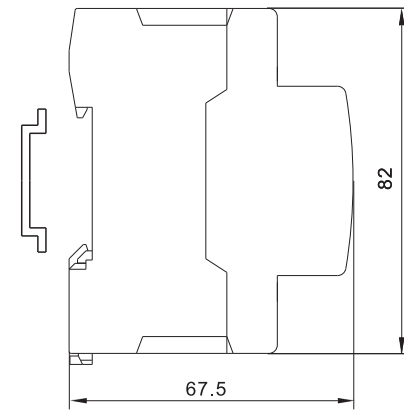
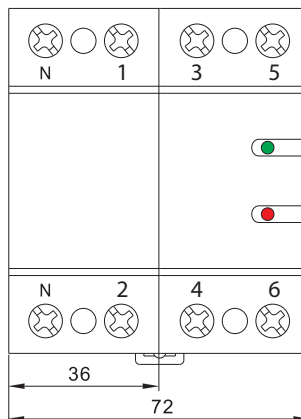
250 g



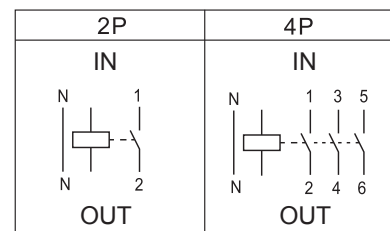
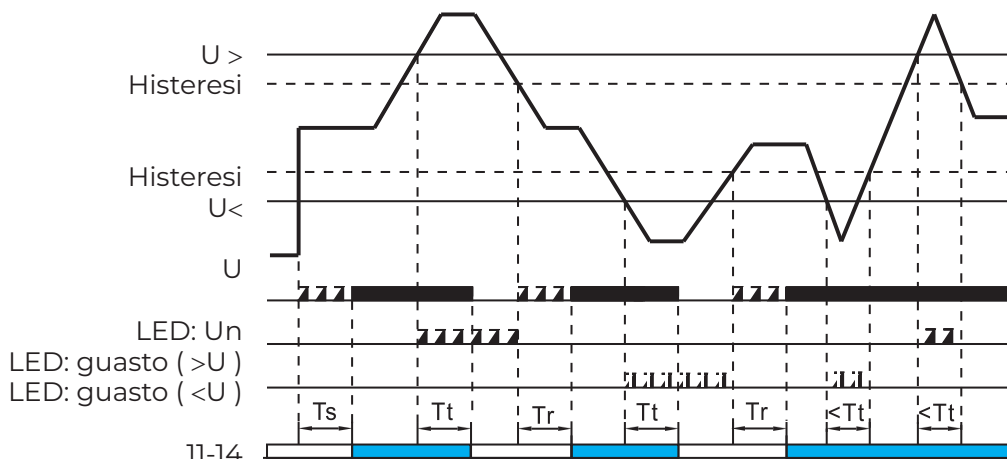
EVOUO2



EVOUO4



- protezione contro l'aumento e la diminuzione della tensione.
- il dispositivo scollega il circuito dalla rete non appena i limiti vengono raggiunti e la tensione supera i limiti
- non appena la tensione rientra nei limiti, dopo 30s la tensione viene automaticamente riportata alla rete!
- lo stato di funzionamento è indicato dai LED



Ts: tempo di funzionamento  
 Tt: ritardo di spegnimento  
 Tr: ripristina il tempo

# Interruttore automatico compatto AKM, con rilascio TM regolabile

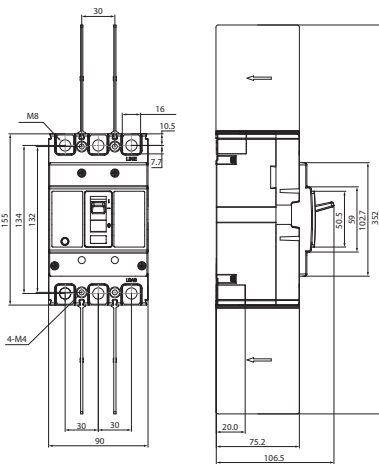
230/400 V AC	50/60 Hz	$U_i$ 1000 V	$U_{imp}$ 8 kV	$T_o$ -5..+40°C	$T_a$ -25..+65°C		2000 m
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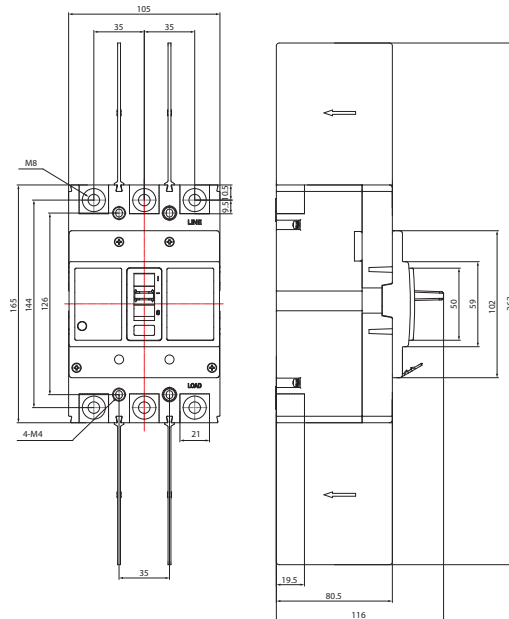
$I_r$	AKM1,-2,-3,-4	0,8-1 ( $\times I_n$ )
$I_i$	AKM1,-2,-3,-4	5-10 ( $\times I_n$ )
$I_{cu}$ (kA <sub>eff</sub> ) AC 400 V	AKM1, AKM2	36
	AKM3, AKM4	50
$I_{cs}$ (kA <sub>eff</sub> ) AC 400 V	AKM1, AKM2	25
	AKM3, AKM4	35
$I_{max}$	AKM1,-2	120
	AKM3,-4	60
	AKM1,-2	7000
	AKM3,-4	4000
$I_{max}$	AKM1,-2	1000
	AKM3,-4	1000
(kg)	AKM1	1,50
	AKM2	1,92
	AKM3	5,00
	AKM4	5,25

TRACON	$I_e$	$I_r$	TRACON	$I_e$	$I_r$	TRACON	$I_e$	$I_r$	TRACON	$I_e$	$I_r$
<b>AKM1-20</b>	20	(16-20)	<b>AKM1-63</b>	63	(50,4-63)	<b>AKM1-160</b>	160	(128-160)	<b>AKM3-400</b>	400	(320-400)
<b>AKM1-32</b>	32	(25,6-32)	<b>AKM1-80</b>	80	(64-80)	<b>AKM2-180</b>	180	(144-180)	<b>AKM4-630</b>	630	(504-630)
<b>AKM1-40</b>	40	(32-40)	<b>AKM1-125</b>	125	(100-125)	<b>AKM2-250</b>	250	(200-250)			

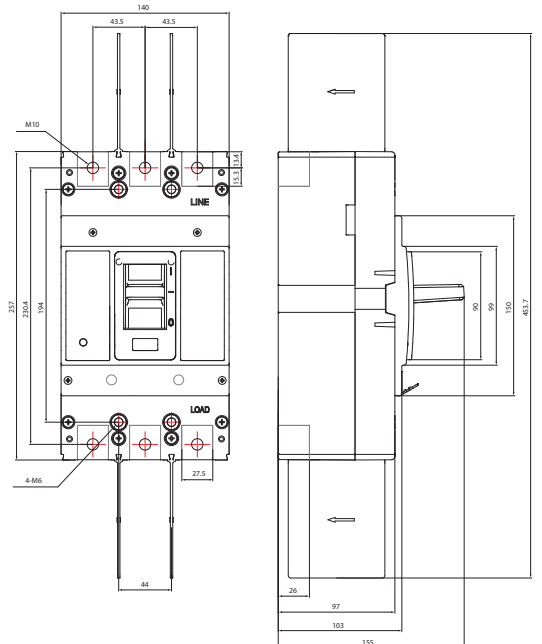
Dimensioni (AKM1)

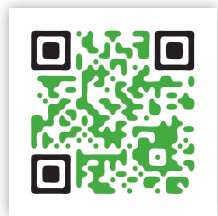


Dimensioni (AKM2)



Dimensioni (AKM3,-4)





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