



SERIA DE APARATE MODULARE EVO



Ianuarie 2024

EVOZ, TDZ

SIGURANȚE AUTOMATE
ODATĂ PENTRU TOTDEAUNA!





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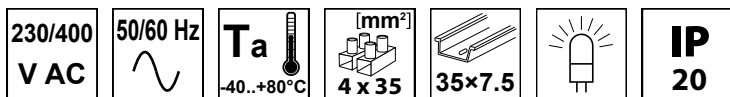


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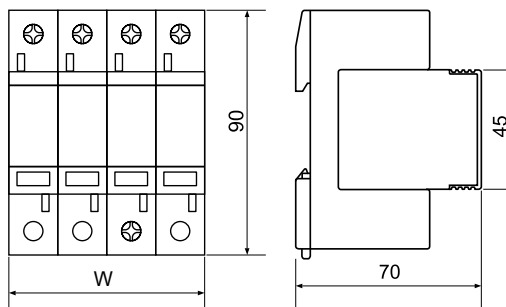
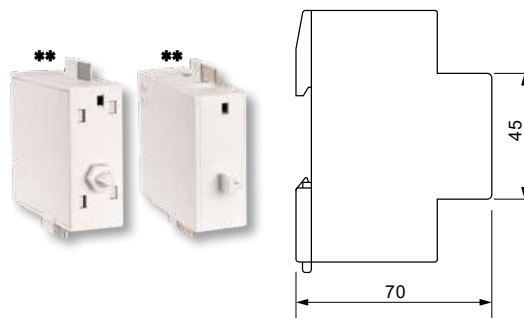
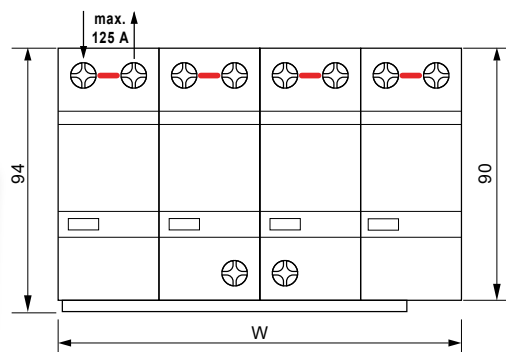
Descărcătoare de supratensiune tip 1+2.



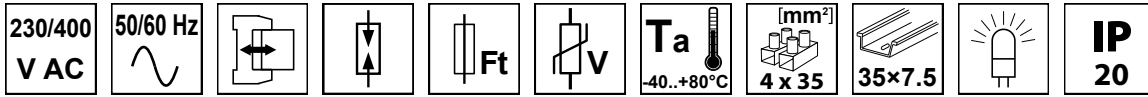
TRACON	xP	U _c	I _{imp} L-N/(N-PE)1P 10/350µs	I _n L-N/(N-PE) 8/20µs	I _{max} 8/20µs	U _p L-N/(N-PE)	gG	W (mm)	
ESPD1+2-50-1P	1P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV	500 A	TN	36
ESPD1+2-50-2P	2P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN	72
ESPD1+2-50-3P	3P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN-C	108
ESPD1+2-50-4P	4P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN-S	144
ESPD1+2-50-1+1P	1+1P	385 V AC	50 kA / 100 kA	50 kA / 100 kA	160 kA / 200 kA	≤ 2,5 kV		TN, TT	72
ESPD1+2-50-3+1P	3+1P	385 V AC	50 kA / 100 kA	50 kA / 100 kA	160 kA / 200 kA	≤ 2,5 kV	TN-S, TT	144	
ESPD1+2-12.5-1P	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	160 A	TN	18
ESPD1+2-12.5-2P	2P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN	36
ESPD1+2-12.5-3P	3P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN-C	54
ESPD1+2-12.5-4P	4P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV		TN-S	72
ESPD1+2-12.5-1+1P	1+1P	275 V AC	12,5 kA	20 kA / 40 kA	50 kA / 70 kA	≤ 1,3 kV / 1,5 kV		TN, TT	36
ESPD1+2-12.5-3+1P	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	72	
ESPD1+2-12.5M*	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	-	TN	18
ESPD1+2-12.5MO*	1P	275 V AC	12,5 kA	20 kA	50 kA	≤ 1,3 kV	-	TN	18
ESPD1+2-12.5NPE*	+1P	275 V AC	12,5 kA	40 kA	70 kA	≤ 1,5 kV	-	TN, TT	18
ESPD1+2-12.5NPEO*	+1P	275 V AC	12,5 kA	40kA	70kA	≤ 1,5 kV	-	TN, TT	18

* element modular

** formă tip pin



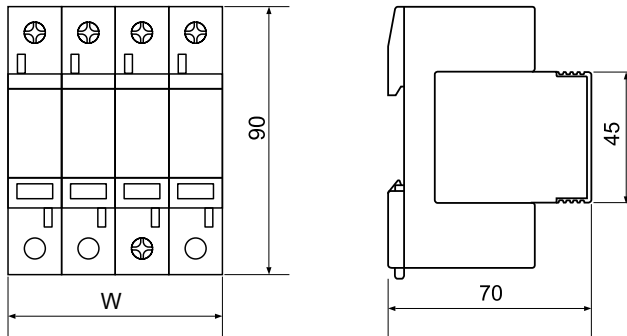
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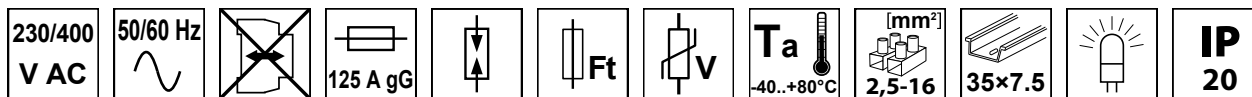
TRACON	xP	U _c	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _p L-N/(N-PE)	gG	W (mm)
ESPD2-40-1P	1P	275 V AC	20 kA	40 kA	≤ 1,3 kV	125 A	TN 18
ESPD2-40-2P	2P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN 36
ESPD2-40-3P	3P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN-C 54
ESPD2-40-4P	4P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN-S 72
ESPD2-40-1+1P	1+1P	275 / 255 V AC	20 kA	40 kA	≤ 1,3 kV / 1,5 kV		TN, TT 36
ESPD2-40-3+1P	3+1P	275 / 255 V AC	20 kA	40 kA	≤ 1,3 kV / 1,5 kV		TN-S, TT 72
ESPD2-40M*	1P	275 V AC	20 kA	40 kA	≤ 1,3 kV	-	TN 18
ESPD2-40MO*	1P	275 V AC	20 kA	40 kA	≤ 1,3 kV	-	TN 18
ESPD2-40NPE*	+1P	255 V AC	20 kA	40 kA	≤ 1,5 kV	-	TN, TT 18
ESPD2-40NPEO*	+1P	255 V AC	20 kA	40 kA	≤ 1,5 kV	-	TN, TT 18
ESPD2-70-1P	1P	275 V AC	40 kA	70 kA	≤ 1,7 kV	200 A	TN 18
ESPD2-70-2P	2P	275 V AC	40 kA	70 kA	≤ 1,7 kV		TN 36
ESPD2-70-3P	3P	275 V AC	40 kA	70 kA	≤ 1,7 kV		TN-C 54
ESPD2-70-4P	4P	275 V AC	40 kA	70 kA	≤ 1,7 kV		TN-S 72
ESPD2-70-1+1P	1+1P	275 / 255 V AC	40 kA	70 kA	≤ 1,7 kV / 1,5 kV		TN, TT 36
ESPD2-70-3+1P	3+1P	275 / 255 V AC	40 kA	70 kA	≤ 1,7 kV / 1,5 kV		TN-S, TT 72
ESPD2-70M*	1P	275 V AC	40 kA	70 kA	≤ 1,7 kV	-	TN 18
ESPD2-70MO*	1P	275 V AC	40 kA	70 kA	≤ 1,7 kV	-	TN 18
ESPD2-70NPE*	+1P	255 V AC	40 kA	70 kA	≤ 1,5 kV	-	TN, TT 18
ESPD2-70NPEO*	+1P	255 V AC	40 kA	70 kA	≤ 1,5 kV	-	TN, TT 18

* element modular

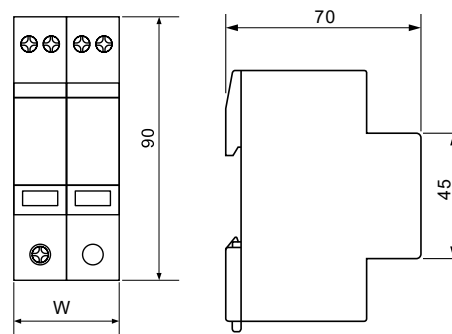
** formă tip pin



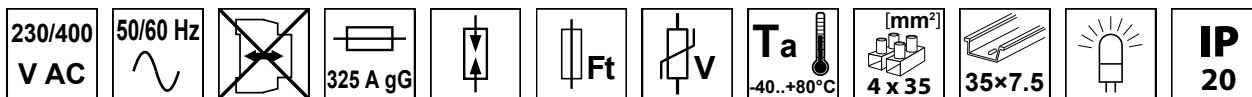
Descărcătoare de supratensiune tip 2+3.



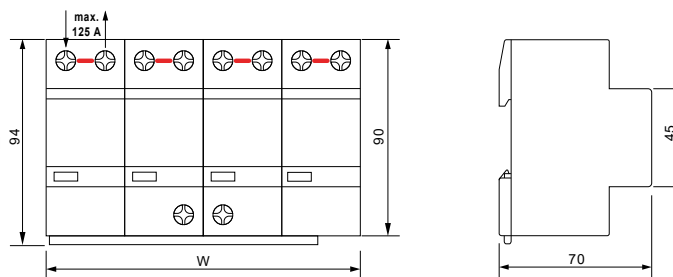
TRACON	xP	U _c	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _{oc}	U _p L-N/(N-PE)		W (mm)
ESPD2+3-40-2P	2P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN	18
ESPD2+3-40-4P	4P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN-S	36
ESPD2+3-40-1+1P	1+1P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV / 1,5 kV	TN, TT	18
ESPD2+3-40-3+1P	3+1P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV / 1,5 kV	TN-S, TT	36



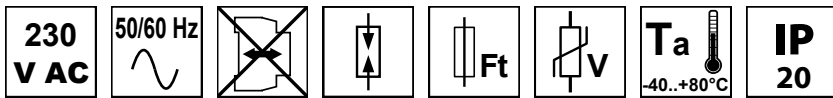
Descărcătoare de supratensiune tip 1+2+3.



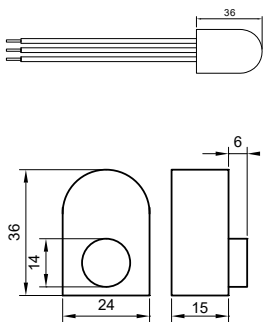
TRACON	xP	U _c	I _{imp} L-N/(N-PE)1P 10/350μs	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _{oc}	U _p L-N/(N-PE)		W (mm)
ESPD1+2+3-25-1P	1P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN	36
ESPD1+2+3-25-2P	2P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN	72
ESPD1+2+3-25-3P	3P	275 V AC	25 kA	25 kA	100 kA	20 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



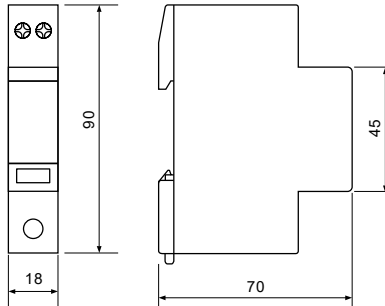
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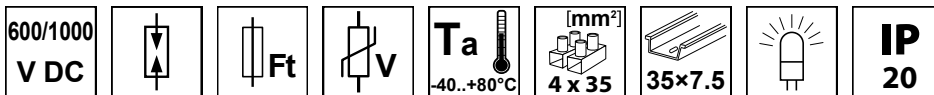
TRACON	xP	U _n	U _c	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _{oc}	U _p	gG	W (mm)	
ESPD3-3-2P	1+1P	230 V AC	275 V AC	3 kA	6 kA	6 kV	≤1,2 kV	16 A	TN, TT	36×24×15
ESPD3-5-1+1P	1+1P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤1,1 kV	32 A	TN, TT	18
ESPD3-5-2P	2P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤1,1 kV	32 A	TN	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



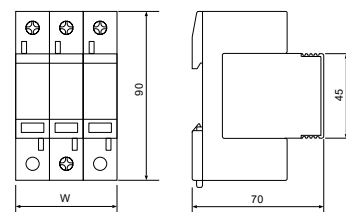
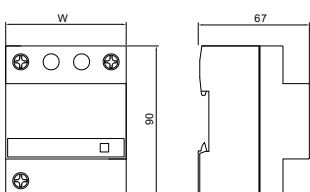
Descărcătoare de supratensiune pentru curent continuu



TRACON	xP	U _n	U _c	gG	I _{imp} L-N/(N-PE)1P 10/350μs	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _p	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	200 A	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	125 A	-	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

* element modular

** formă tip pin



Siguranțe automate, tip EVOZ



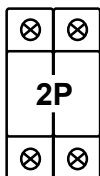
230/400 V AC	×20.000	×4.000	IP 20	35×7.5	[mm²] 1,0-25	Ta -25..+55°C	U_i 500 V		I_{2t} 3	I_{cn} EN 60898 6 kA	
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TRACON



I_n
(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

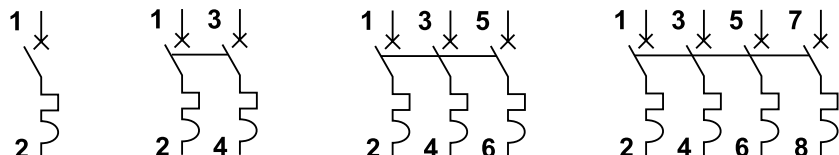
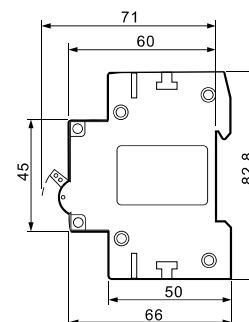
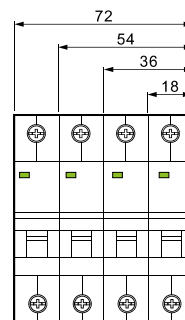
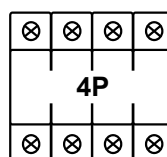
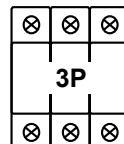


TRACON



I_n
(A)

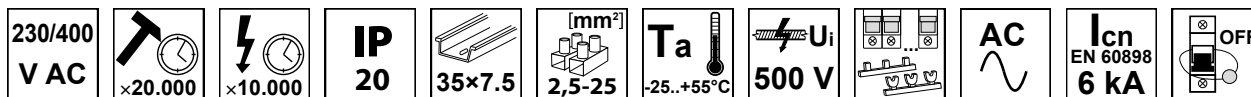
EVOZ3B1	EVOZ3C1	1
EVOZ3B2	EVOZ3C2	2
EVOZ3B4	EVOZ3C4	4
EVOZ3B6	EVOZ3C6	6
EVOZ3B10	EVOZ3C10	10
EVOZ3B13	EVOZ3C13	13
EVOZ3B16	EVOZ3C16	16
EVOZ3B20	EVOZ3C20	20
EVOZ3B25	EVOZ3C25	25
EVOZ3B32	EVOZ3C32	32
EVOZ3B40	EVOZ3C40	40
EVOZ3B50	EVOZ3C50	50
EVOZ3B63	EVOZ3C63	63
EVOZ4B1	EVOZ4C1	1
EVOZ4B2	EVOZ4C2	2
EVOZ4B4	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



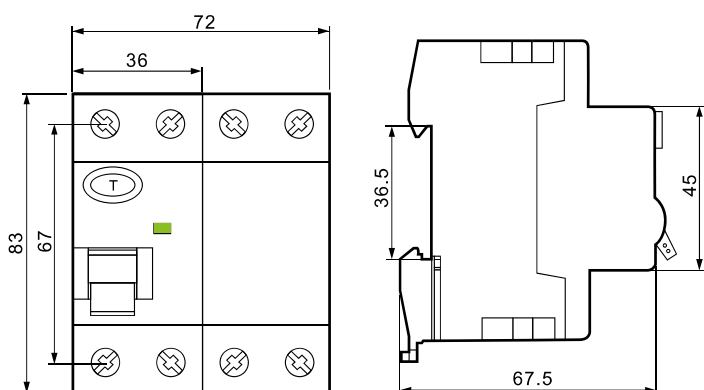
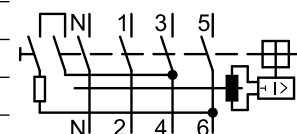
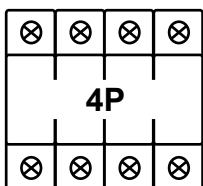
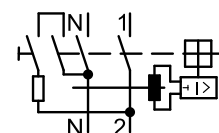
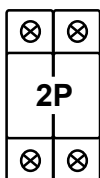
RELEVANT STANDARD
EN 60898-1

RELEVANT STANDARD
EN 60947-2

Blocuri cu protecție diferențială, tip 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
<hr/>		
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

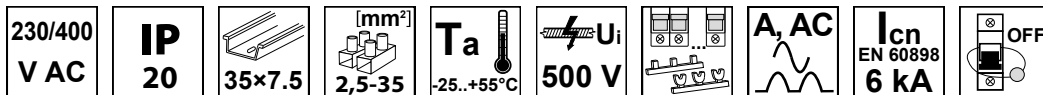


RELEVANT STANDARD
EN 61008-1

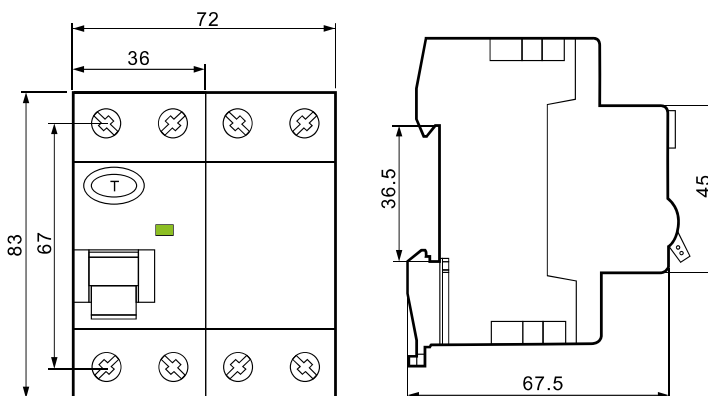
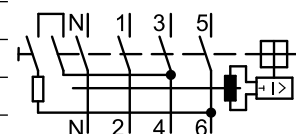
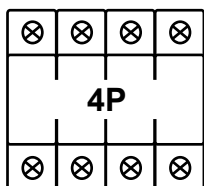
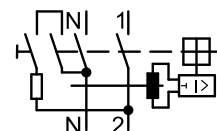
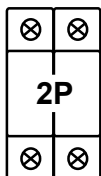


Pentru rețele de curent alternativ!

Blocuri cu protecție diferențială, tip EVOG



TRACON	I_n (A)	$I_{\Delta n}$ (mA)
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



Pentru rețele de curent alternativ și de curent continuu pulsatoriu!

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EN 61008-1



EVOB BLOCURI CU PROTECȚIE DIFERENȚIALĂ, TIP B, 10 kA

230 V AC	B	$\times 4.000$	U_i 500 V	I_{cn} EN60698 10 kA	35×7.5	$\times 10.000$	[mm ²] 1-25	Ta -30..+45 °C	IP 20
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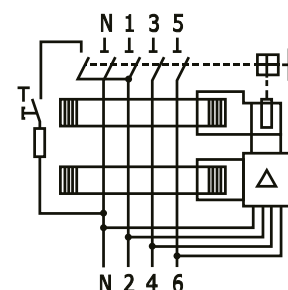
tip B	10 kA	B
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PENTRU REȚELE ÎNCĂRCATE CU CURENȚI REZIDUALI SINUSOIDALI, CURENȚI REZIDUALI CONTINUI PULSATORII, CURENȚI SINUSOIDALI DE FRECVENȚE VARIABLE.



TRACON	I_n (A)	$I_{\Delta n}$ (mA)
--------	--------------	------------------------

		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	



EVOAG BLOCURI CU PROTECȚIE DIFERENȚIALĂ, TIP 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 ²] 2,5-35	Ta -25..+55°C	IP 20
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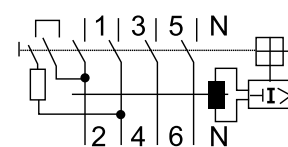
tip A	10 kA	A
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PENTRU REȚELE ÎNCĂRCATE CU CURENȚI REZIDUALI SINUSOIDALI, CURENȚI REZIDUALI CONTINUI PULSATORII.



TRACON	I_n (A)	$I_{\Delta n}$ (mA)
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 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 BLOCURI CU PROTECȚIE DIFERENȚIALĂ SELECTIVĂ, TIP A/S, 10 kA

230 V AC	A S	x4.000	500 V	I_{cn} EN60698 10 kA	35x7.5	x10.000	[mm²] 2,5-35	T_a -25..+55°C	IP 20
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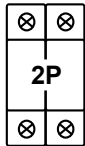
TIP A/S

10 kA

A S

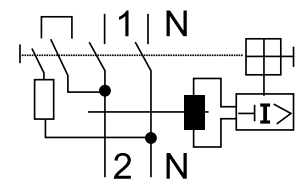
PENTRU REȚELE ÎNCĂRCATE CU CURENȚI REZIDUALI SINUSOIDALI, CURENȚI REZIDUALI CONTINUI PULSATORII. (SELECTIV)

TRACON	I _n (A)	I _{Δn} (mA)
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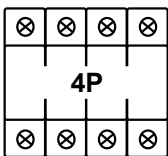


EVOAGS2P251	25A
EVOAGS2P401	40A
EVOAGS2P631	63A
EVOAGS2P801	80A
EVOAGS2P1001	100A
EVOAGS2P253	25A
EVOAGS2P403	40A
EVOAGS2P633	63A
EVOAGS2P803	80A
EVOAGS2P1003	100A

100 mA

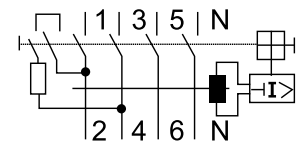


300 mA



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

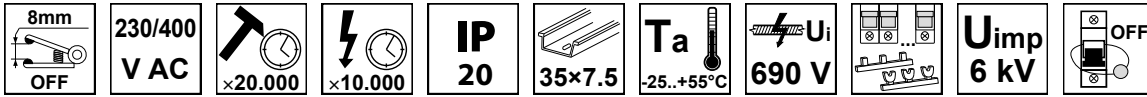
100 mA



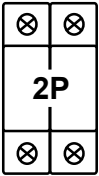
300 mA



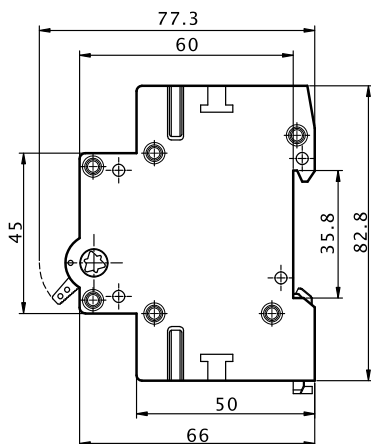
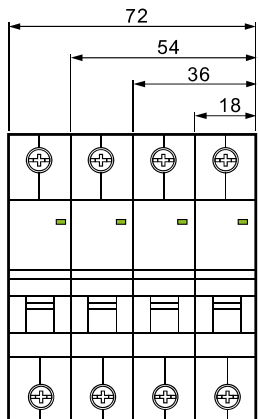
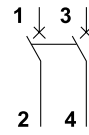
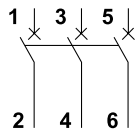
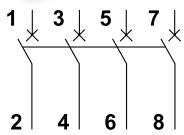
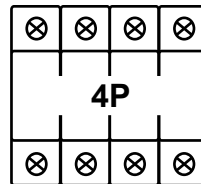
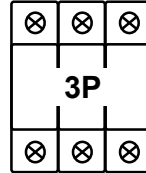
Intrerupătoare separatoare modulare, tip EVOTIK



TRACON	I_n (A)	mm ²	
TIK1-20	20	1,5-50	
TIK1-25	25		
TIK1-32	32		
TIK1-40	40		
TIK1-63	63		
TIK1-80	80		
TIK1-100	100		
TIK1-125	125		
TIK2-20	20		1,5-50
TIK2-25	25		
TIK2-32	32		
TIK2-40	40		
TIK2-63	63		
TIK2-80	80		
TIK2-100	100		
TIK2-125	125		



TRACON	I_n (A)	mm ²
TIK3-20	20	1,5-50
TIK3-25	25	
TIK3-32	32	
TIK3-40	40	
TIK3-63	63	
TIK3-80	80	
TIK3-100	100	
TIK4-20	20	1,5-50
TIK4-25	25	
TIK4-32	32	
TIK4-40	40	
TIK4-63	63	
TIK4-80	80	
TIK4-100	100	
TIK4-125	125	



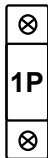
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Selectoare modulare, tip EVOSVK

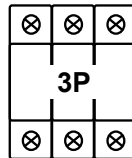
230/400 V AC	x30.000	x10.000	IP 20	35x7.5	[mm ²] 1-16	Ta -25..+55°C	U_i 690 V		U_{imp} 6 kV	1 0 2
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TRACON	I _n (A)
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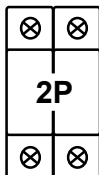


SVK1-16	16
SVK1-32	32
SVK1-63	63

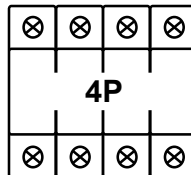
TRACON	I _n (A)
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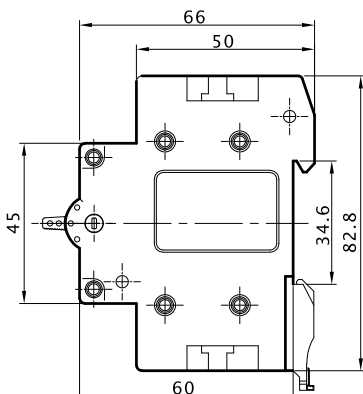
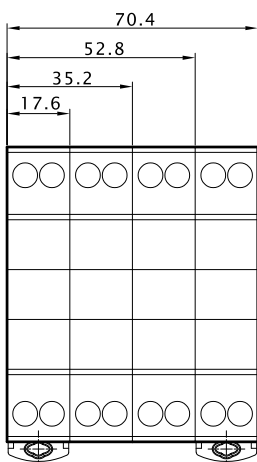
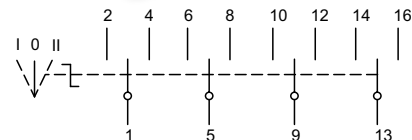
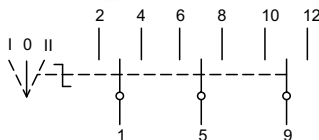
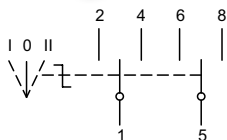
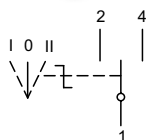
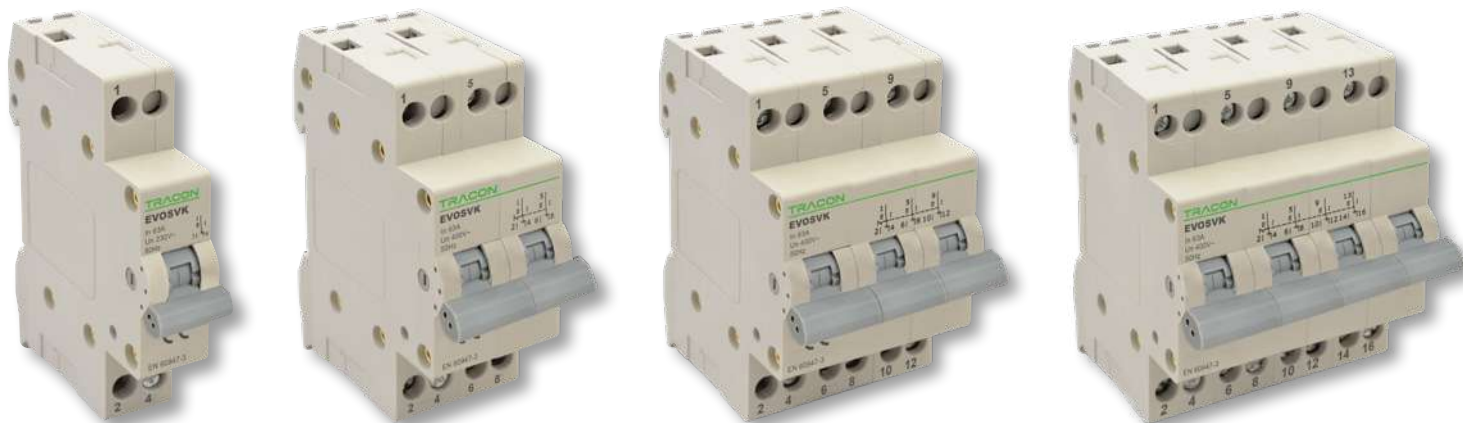
SVK3-16	16
SVK3-32	32
SVK3-63	63



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



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

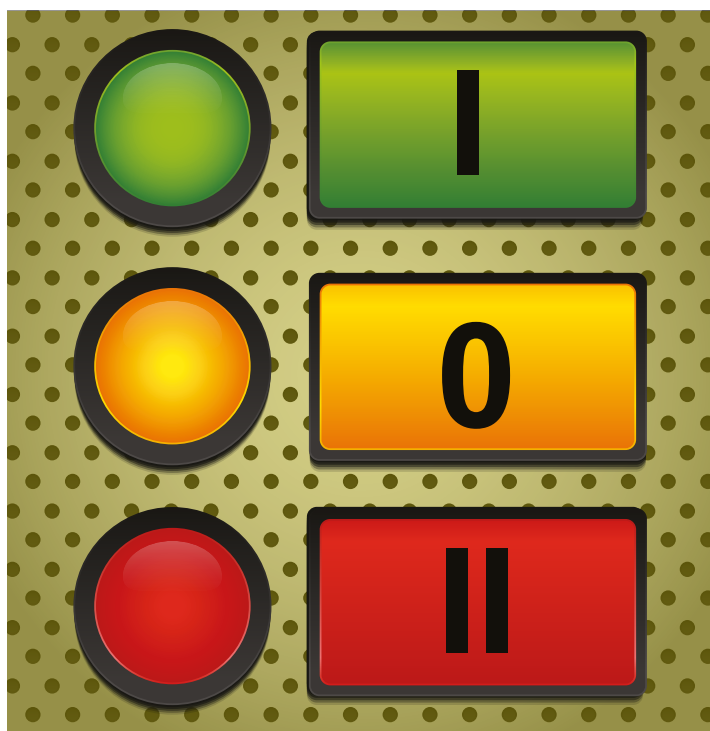


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EN 60947-3

RELEVANT STANDARD
EN 60669-1



TÜV MEEI TEST DOCUMENTATION
28211822 001



Înterupător separator modular cu zăvorâre prin lacăt, tip EVOMS

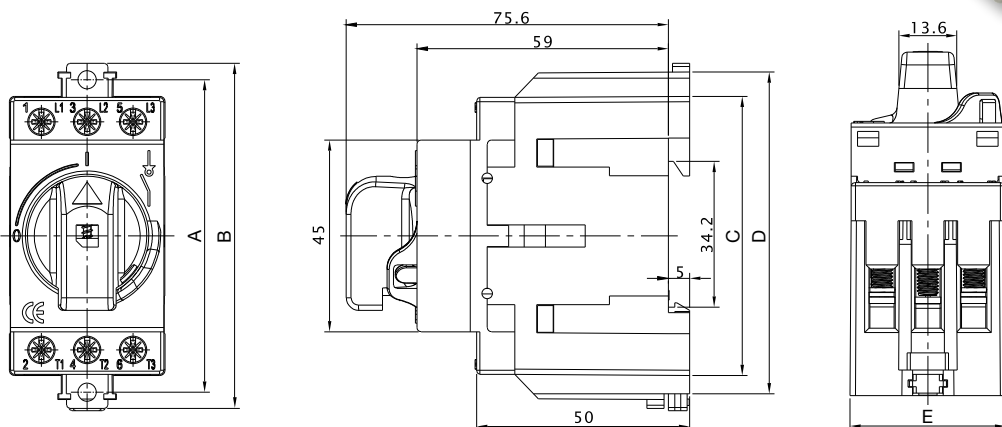
230/400 V AC	IP 20	35x7.5	T_a -25..+55°C	U_i 800 V	
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TRACON	I _{th} (40 °C)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm ²
EVOMS16/3	16A/3P						
EVOMS20/3	20A/3P	73,3	81	65,5	75,5	36,5	1,5-16
EVOMS25/3	25A/3P						
EVOMS40/3	40A/3P						
EVOMS80/3	80A/3P						
EVOMS100/3	100A/3P	88	97,5	76,5	93,5	52	25-50
EVOMS125/3	125A/3P						



EVOMS80

EVOMS16

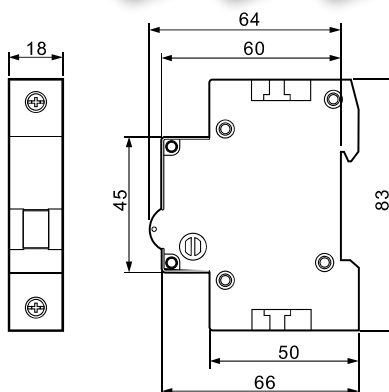


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EN 60947-3

Lămpi de semnalizare modulare, tip EVOSLJL

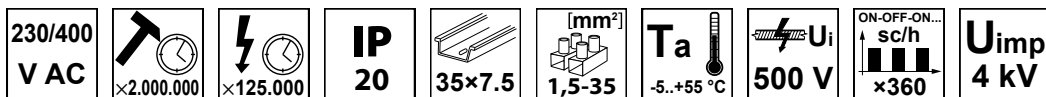
P_m 0,8 VA	[h] 20.000		IP 20	[mm ²] 1-25	35x7.5	T_a -25..+55°C
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TRACON		U _n	x L E D
SLJL-AC230-P		230 V AC	x 1 LED
SLJL-AC230-Z		230 V AC	x 1 LED
SLJL-AC230-S		230 V AC	x 1 LED
SLJL-AC230-F		230 V AC	x 1 LED
SLJL-AC230-K		230 V AC	x 1 LED
SLJL-AC24-P		24 V AC	x 1 LED
SLJL-AC24-Z		24 V AC	x 1 LED
SLJL-AC24-S		24 V AC	x 1 LED
SLJL-AC24-F		24 V AC	x 1 LED
SLJL-AC24-K		24 V AC	x 1 LED
SLJL-AC230-3Z		3x230 V AC	x 3 LED
SLJL-AC230-SZP		3x230 V AC	x 3 LED
SLJL-DC220-P		220 V DC	x 1 LED
SLJL-DC220-Z		220 V DC	x 1 LED
SLJL-DC220-S		220 V DC	x 1 LED
SLJL-DC220-F		220 V DC	x 1 LED
SLJL-DC220-K		220 V DC	x 1 LED
SLJL-DC24-P		24 V DC	x 1 LED
SLJL-DC24-Z		24 V DC	x 1 LED
SLJL-DC24-S		24 V DC	x 1 LED
SLJL-DC24-F		24 V DC	x 1 LED
SLJL-DC24-K		24 V DC	x 1 LED

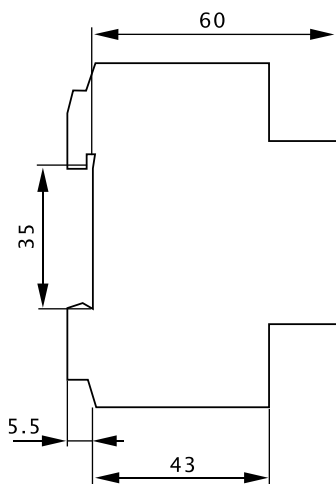
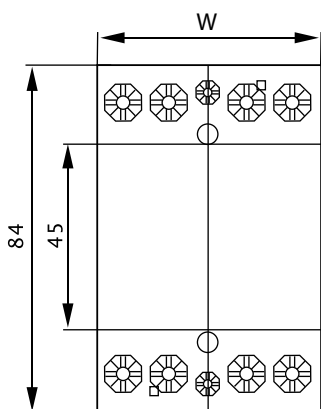


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EN 62094-1
EN 60947-5

Contactoare de instalații, tip EVOHK

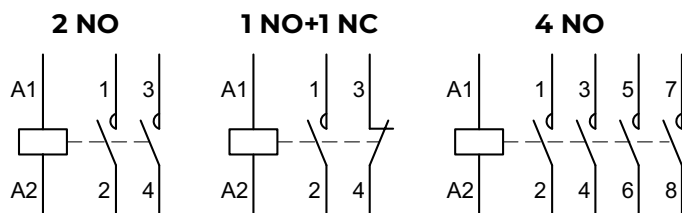


TRACON	Um	In (A)	W (mm)	Pe (kW)				Ps		
				AC1 / AC7a 230V	AC3 / AC7b 230V	AC1 / AC7a 400V	AC3 / AC7b 400V			
EVOHK2-25	230 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG	2 x NO
EVOHK2-25-24	24 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG	2 x NO
EVOHK2-25V	230 V AC	25	17,5	5	1,5	-	-	1,35 W	20A gG	1 x NO+1 x NC
EVOHK2-40	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

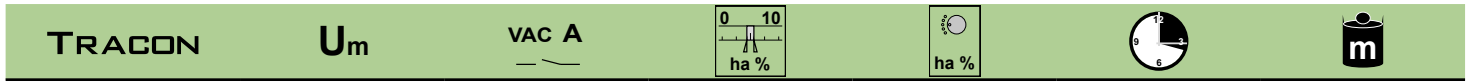
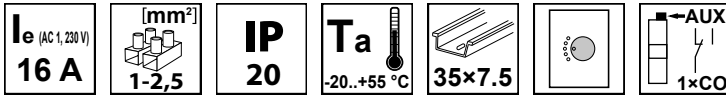


RELEVANT STANDARD
EN 60947-4-1

RELEVANT STANDARD
EN 61095



Releu de timp cu temporizare la acționare



NARIDON

AC/DC 12-240 V

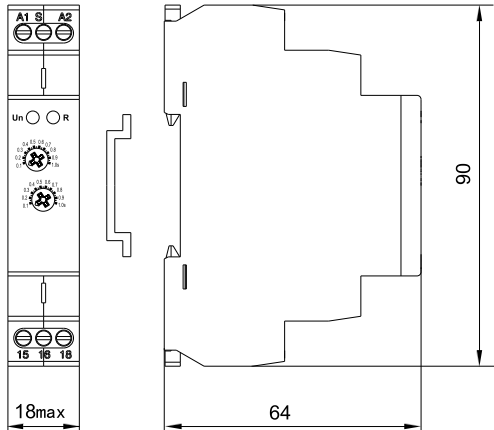
16 A 230 VAC

± 0,2 %

± 5 %

0,1 s - 10 h

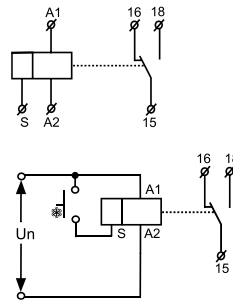
62 g



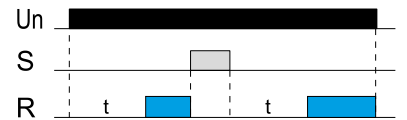
**RELEVANT STANDARD
EN 61812-1**

Aplicații:

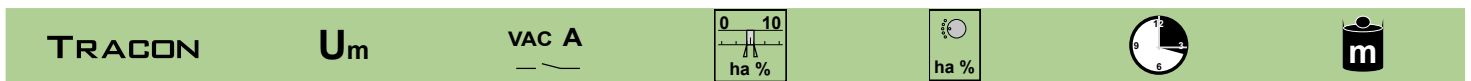
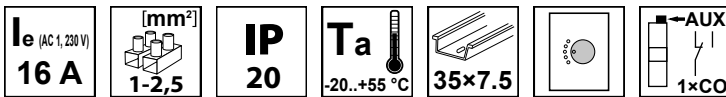
- Potrivit pentru aplicații unde se dorește realizarea unei porniri temporizate cu ajutorul unui semnal de comandă e.t.c.
- Se poate utiliza în cazul pompelor, temporizare la conectare după pornirea încălzirii, cuplarea ventilatorului.



* Buton de semnal



Releu de timp cu temporizare la revenire



NARIDOFF

AC/DC 12-240 V

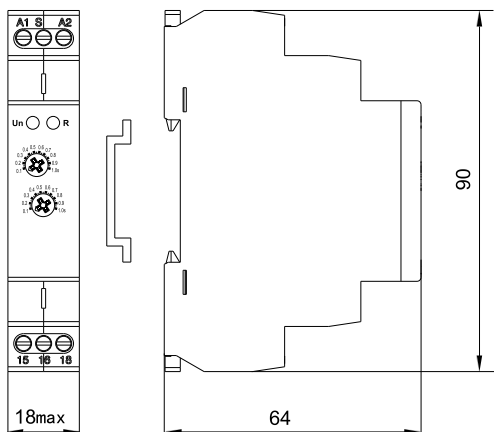
16 A 230 VAC

± 0,2 %

± 5 %

0,1 s - 10 h

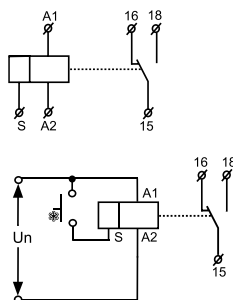
62 g



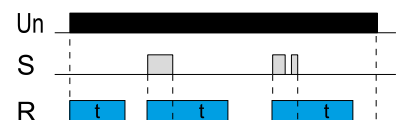
**RELEVANT STANDARD
EN 61812-1**

Aplicații:

- Potrivit pentru aplicațiile unde după pornirea simultană cu semnalul de comandă se dorește realizarea unei decuplări temporizate
- Se poate utiliza în cazul pompelor, temporizare la deconectare după oprirea încălzirii, cuplarea ventilatorului, e.t.c.



* Buton de semnal



Releu de timp cu revenire fără tensiune de alimentare

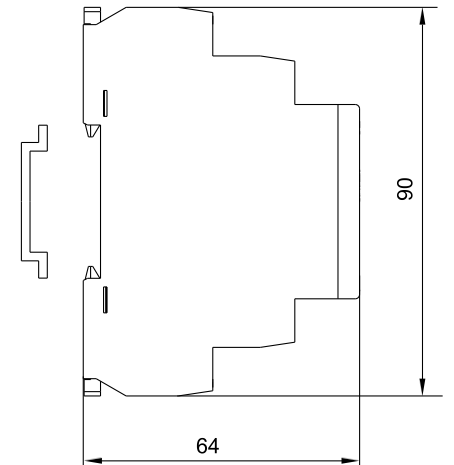
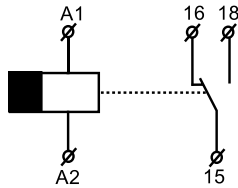
I_e (AC 1, 230 V) 16 A	[mm ²] 1-2,5	IP 20	T_a -20...+55 °C	35×7.5	AUX 1×CO
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TRACON	U _m	VAC A	0 10 ha %	ha %	0 12 6 min	m
NARIDOFFS	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 min.	86 g



Aplicații:

- În cazul întreruperii tensiunii de alimentare, după o perioadă de temporizare conectează consumatorii pe alimentarea de rezervă. (Iluminat de siguranță, evacuarea de urgență a gazelor, sau comanda la distanță a ușilor în caz de incendiu).



**RELEVANT STANDARD
EN 61812-1**

Releu de timp stea-triunghi

I_e (AC 1, 230 V) 16 A	[mm ²] 1-2,5	IP 20	T_a -20...+55 °C	35×7.5	AUX 2×CO
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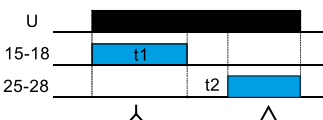
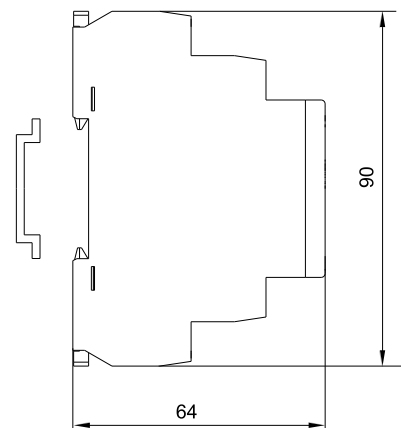
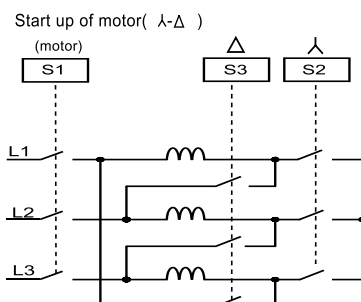
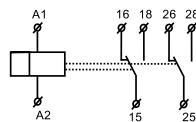
TRACON	U _m	VAC A	0 10 ha %	ha %	t ₁ ∧	t ₂ △	m
NARIST	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 min.	0,1 s - 1 s	86 g



Aplicație:

- Curenții de pornire a motoarelor trifazate cu rotorul în scurtcircuit au valori relativ mari. În scopul reducerii curenților de pornire motoarele se pornesc în conexiune stea, apoi după ce motorul a atins turația de lucru se schimbă în conexiunea triunghi cu ajutorul unui releu stea-triunghi reglat pe baza experienței în funcționare.

**RELEVANT STANDARD
EN 61812-1**

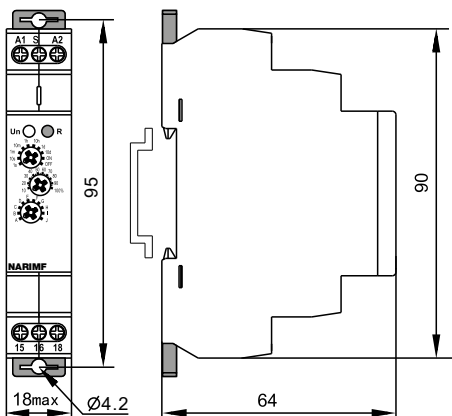


Releu de timp multifuncțional (10 funcții)

I_e (AC 1, 230 V) 16 A	[mm²] 1-2,5	IP 20	T_a -20...+55 °C	35×7.5	1×CO
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TRACON	U_m	VAC A	0 10 ha %	ha %	0,1 s - 10 d	m
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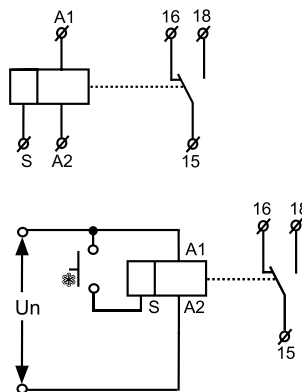
NARIMF AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 d 64 g



**RELEVANT STANDARD
EN 61812-1**

Aplicație:

- Cu ajutorul potențioanelor se pot seta 10 funcții cu intervalul de timp cuprins între 0,1 s și 10 zile. Cu primul potențio- metru se poate alege intervalul de timp, cu al doilea valoarea procentuală a intervalului de timp iar cu al treilea funcția. Re- leul poate fi comandat prin tensiunea de alimentare sau prin semnalul de comandă.



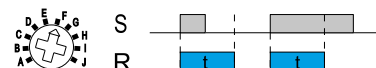
* Buton de semnal



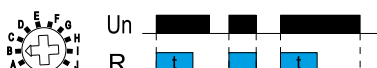
A: Temporizare la acționare



F: Temporizare la revenire (semnal de comandă S, un impuls)



B: Temporizare la revenire



G: Un impuls, la finalul semnalului de comandă (în stare pornită nu se poate redeclanșa)



C: Generator de tact cu pornire temporizată la anclanșare



H: Temporizare atât la acționare cât și la revenire



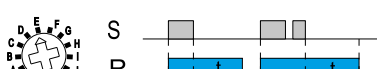
D: Generator de tact cu pornire imediată la anclanșare



I: Releu de impuls



E: Temporizare la revenire (semnal de comandă S, pauză)



J: Generator de impulsuri



Domeniu de timp:

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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Siguranțe pentru curenți mari, tip EVOH

230/400 V AC	$\times 20.000$	$\times 10.000$	IP 20	35×7.5	[mm ²] 16-50	Ta -25..+55°C	500 V		I_{2t} 3	I_{cn} EN 60898 10 kA	OFF
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TRACON

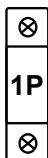
C

I_n
(A)

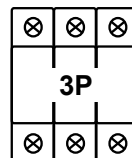
TRACON

C

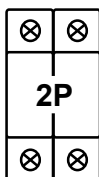
I_n
(A)



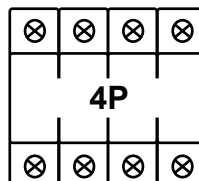
EVOH163	63
EVOH180	80
EVOH1100	100
EVOH1125	125



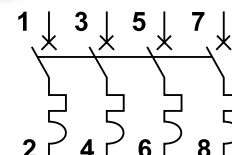
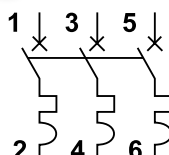
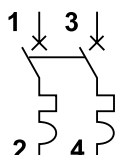
EVOH363	63
EVOH380	80
EVOH3100	100
EVOH3125	125



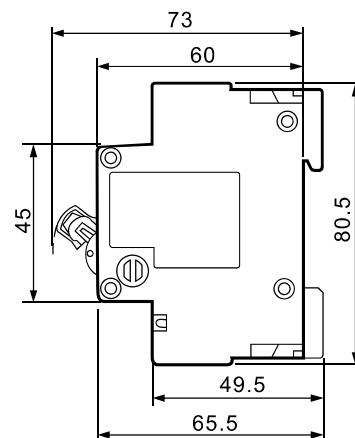
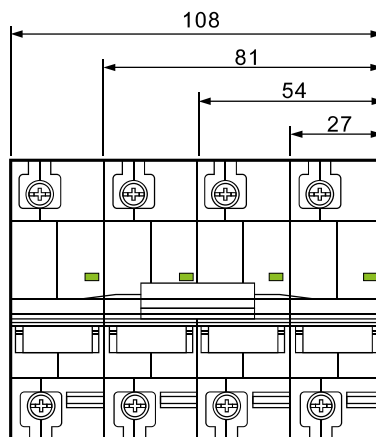
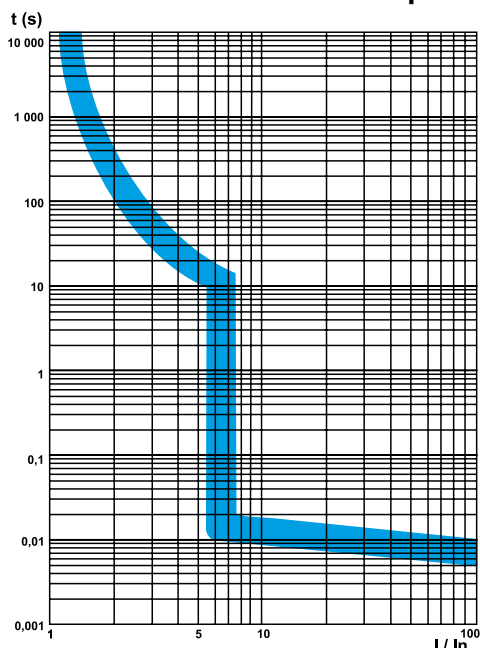
EVOH263	63
EVOH280	80
EVOH2100	100
EVOH2125	125



EVOH463	63
EVOH480	80
EVOH4100	100
EVOH4125	125

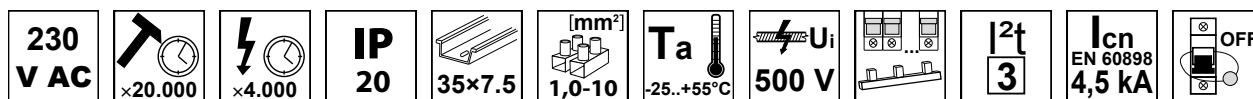


Curbă caracteristică de decuplare



**RELEVANT STANDARD
EN 60947-2**

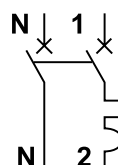
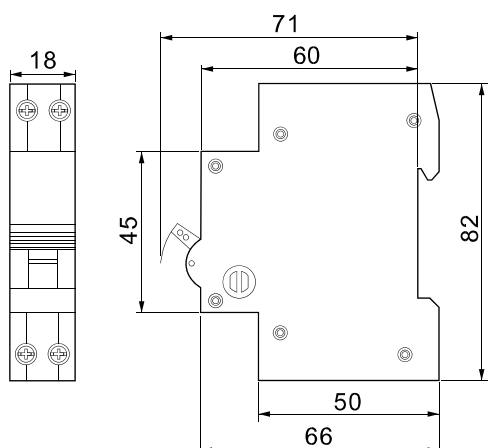
Siguranțe automate, tip EVON



TRACON		I_n (A)

⊗	⊗
1P	N
⊗	⊗

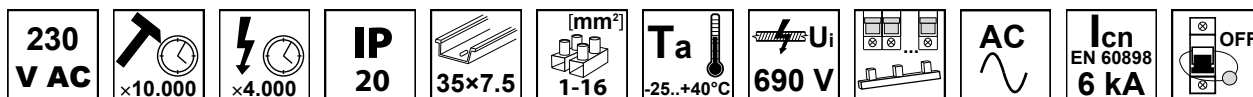
EVONC6	6
EVONC10	10
EVONC16	16
EVONC20	20
EVONC25	25
EVONC32	32



* Siguranță cu doi poli care protejează faza și comută nulul.

RELEVANT STANDARD
EN 60898-1

Disjunctoare cu protecție diferențială, 1 modul lățime, tip EVOKE

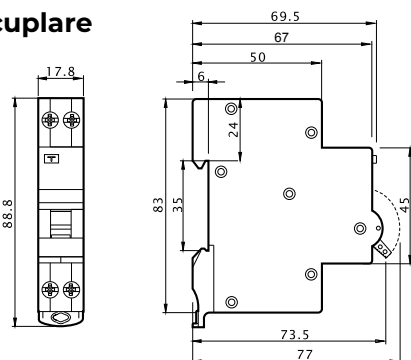
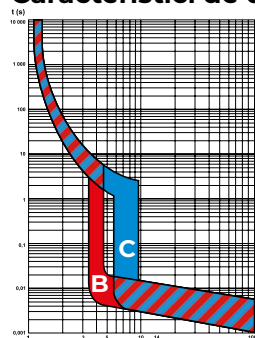


TRACON		I_n (A)	$I_{\Delta n}$ (mA)

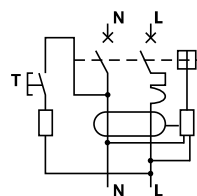
⊗	⊗
2P	
⊗	⊗

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

Caracteristici de decuplare



E3



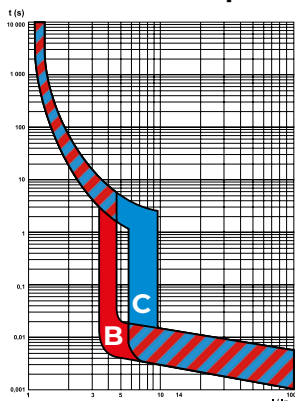
RELEVANT STANDARD
EN 61009-1

Disjunctoare cu protecție diferențială, tip EVOK

230 V AC	$\times 10.000$	$\times 4.000$	IP 20	35×7.5	$[mm^2]$ 1,5-25	Ta -25...+40°C	U_i 690 V		AC	I_{cn} EN 60898 4,5 kA	
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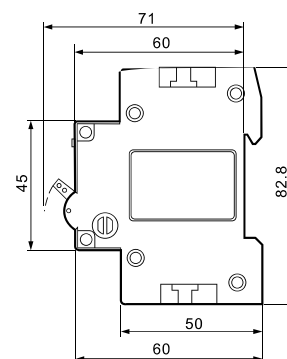
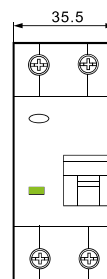
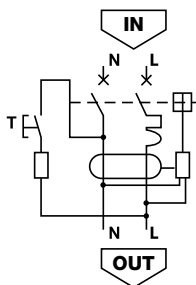
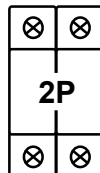


Caracteristici de decuplare



TRACON		I _n (A)	I Δ _n (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



RELEVANT STANDARD
EN 61009-1

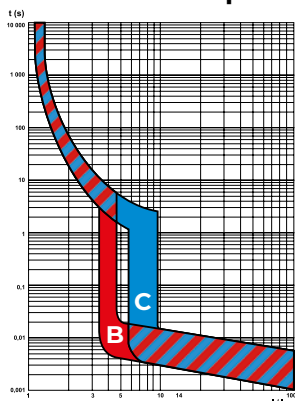


Disjunctoare cu protecție diferențială, electromecanice, tip EVOKM

230 V AC	$\times 10.000$	$\times 4.000$	IP 20	35×7.5	$[mm^2]$ 1,5-25	Ta -25...+55°C	U_i 690 V		AC	I_{cn} EN 60898 6 kA	
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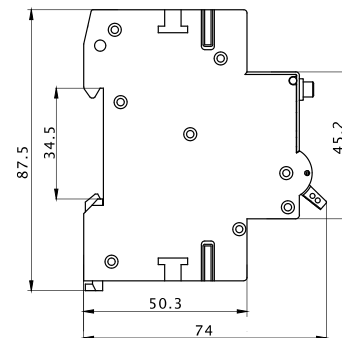
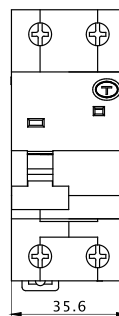
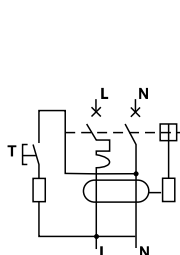
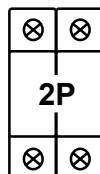


Caracteristici de decuplare



TRACON		I _n (A)	I Δ _n (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



RELEVANT STANDARD
EN 61009-1



Înterupătoarele electromecanice cu protecție combinată oferă protecție împotriva electrocutării și în cazul întreruperii conductorului de nul!

EVOBKM DISJUNCTOARE CU PROTECȚIE DIFERENȚIALĂ, TIP B, 6 kA

230 V AC	B	$\times 4.000$	U_i 690 V	I_{cn} EN60698 10 kA	35x7.5	$\times 10.000$	[mm ²] 1,5-25	Ta -25..+40°C	IP 20
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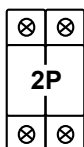
tip B	6 kA	B
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PENTRU REȚELE ÎNCĂRCATE CU CURENȚI REZIDUALI SINUSOIDALI, CURENȚI REZIDUALI CONTINUI PULSATORII, CURENȚI SINUSOIDALI DE FRECVENȚE VARIABLE.

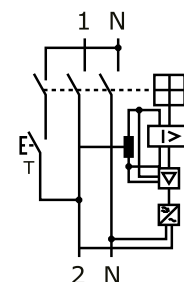


TRACON		I_n (A)	$I_{\Delta n}$ (mA)

EVOBKM2B603	EVOBKM2C603	6 A
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



30 mA



EVOK4 DISJUNCTOARE CU PROTECȚIE DIFERENȚIALĂ, TIP A, 10 kA

230/400 V AC	A	$\times 100.000$	U_i 690 V	I_{cn} EN60698 10 kA	$\times 20.000$	Ta -25..+40°C	[mm ²] 1-25	E3	IP 20
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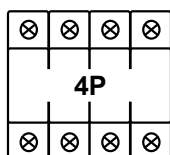
tip A	10 kA	A
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PENTRU REȚELE ÎNCĂRCATE CU CURENȚI REZIDUALI SINUSOIDALI, CURENȚI REZIDUALI CONTINUI PULSATORII.

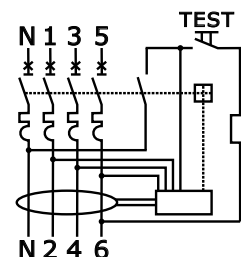


TRACON		I_n (A)	$I_{\Delta n}$ (mA)

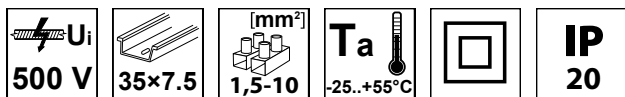
EVOK4B603	EVOK4C603	6 A
EVOK4B1003	EVOK4C1003	10 A
EVOK4B1303	EVOK4C1303	13 A
EVOK4B1603	EVOK4C1603	16 A
EVOK4B2003	EVOK4C2003	20 A
EVOK4B2503	EVOK4C2503	25 A
EVOK4B3203	EVOK4C3203	32 A
EVOK4B4003	EVOK4C4003	40 A
EVOK4B5003	EVOK4C5003	50 A
EVOK4B6303	EVOK4C6303	63 A



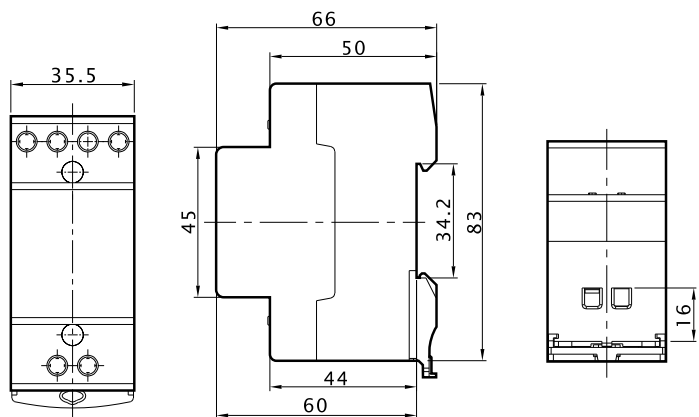
30 mA



Transformatoare de siguranță (pt. sonerii), tip 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

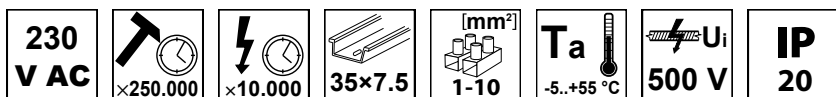
EVOBT30/1

RELEVANT STANDARD
EN 60947-5-1

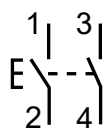
RELEVANT STANDARD
EN 61558-2-8



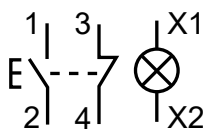
Buton modular, comutator modular, tip EVOP



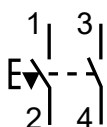
EVOBPB



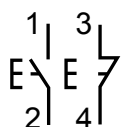
EVOBPBL



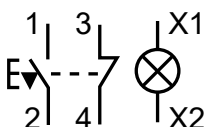
EVOPLS



EVOPLB2



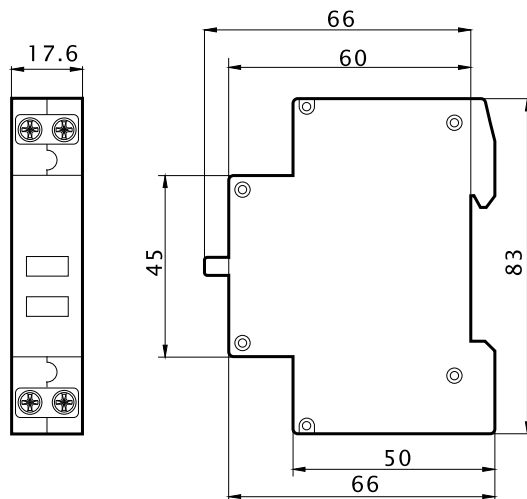
EVOPLSL



TRACON	I_{th}	I_e (AC-14) (230V AC)	NC NO
EVOPLS	16 A	6 A	2 NO
EVOPLB	16 A	6 A	2 NO
EVOPLB2	16 A	6 A	1 NO, 1 NC
EVOPLSL	16 A	6 A	1 NO+1 NC



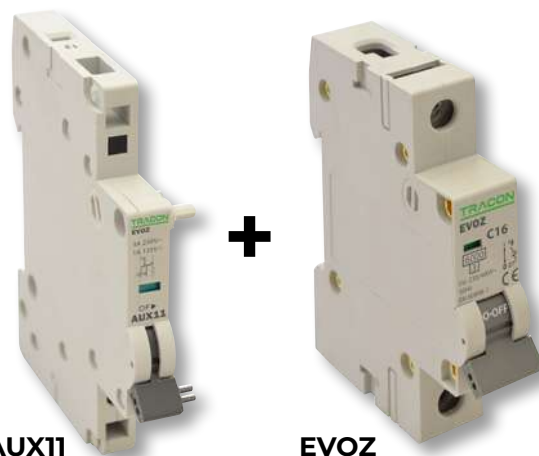
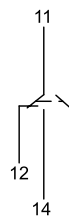
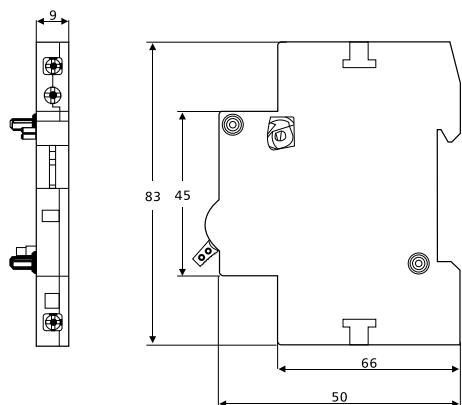
RELEVANT STANDARD
EN 60947-5-1



Contacte auxiliare și indicatoare declanșare

230/400 V AC	×5.000	×4.000	35×7.5	[mm ²] 0,5-4	Ta -25..+55°C	Ui 500 V	IP 20
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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					



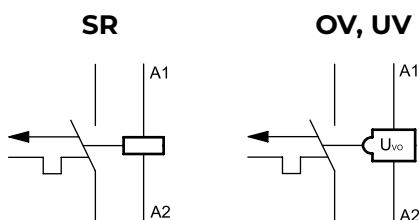
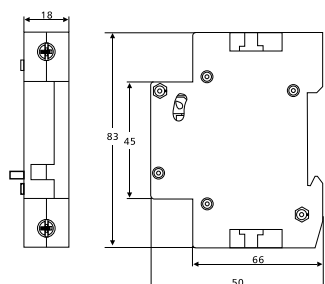
Declanșator la tensiune de lucru, declanșator la variații de tensiune

230/400 V AC	×4.000	×3.000	35×7.5	[mm ²] 0,5-4	Ta -25..+55°C	Ui 500 V	IP 20
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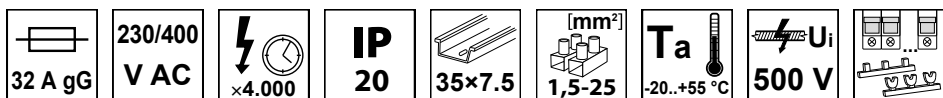


TRACON		U_m	U_{up} 	U_{down}
EVOZ-SR*	EVOZ	110-415 V AC / 110-220 V DC	-	-
EVOH-SR*	EVOH	110-415 V AC / 110-220 V DC	-	-
EVOTDA-SR*	EVOTDA	110-415 V AC / 110-220 V DC	-	-
EVOZ-UOVR	EVOZ	-	280 V ± 5%	170 V ± 5%
EVOH-UOVR	EVOH	-	280 V ± 5%	170 V ± 5%
EVOTDA-UOVR	EVOTDA	-	280 V ± 5%	170 V ± 5%
EVOZ-OVR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

*declanșator la tensiune de lucru



Relee de recuplare automată la creșterea/scăderea tensiunii

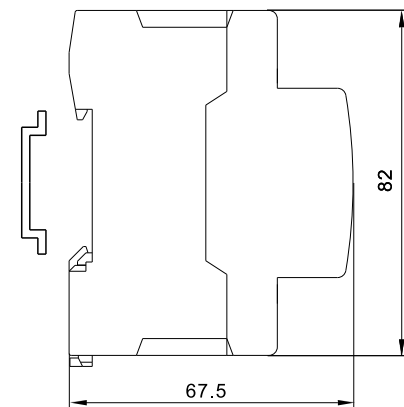
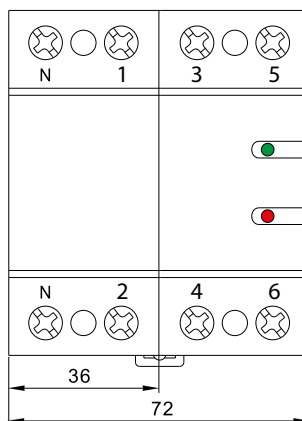


TRACON	2P		4P	
	EVOUO2	EVOUC2P63	EVOUO4	EVOUO4P63
Tensiune nominală	230 V AC		230 V AC (L-N)	
Frecvență nominală	50 Hz			
Curent nominal	40 A (AC 1)			
Putere absorbită	AC max. 3 VA			
Nivel superior de protecție la tensiune	265 V (fix)		265 V (L-N) (fix)	
Nivel superior de recuplare	257 V (fix)		257 V (L-N) (fix)	
Nivel inferior de protecție la tensiune	175 V (fix)		175 V (L-N) (fix)	
Nivel inferior de recuplare	180 V (fix)		180 V (L-N) (fix)	
Timp de cuplare	1 s			
Temporizare la cuplare	2 s			
Timp de recuplare	30 s			
Eroarea de măsură	≤1%			

Masa

120 g

250 g

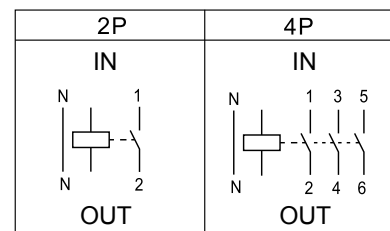
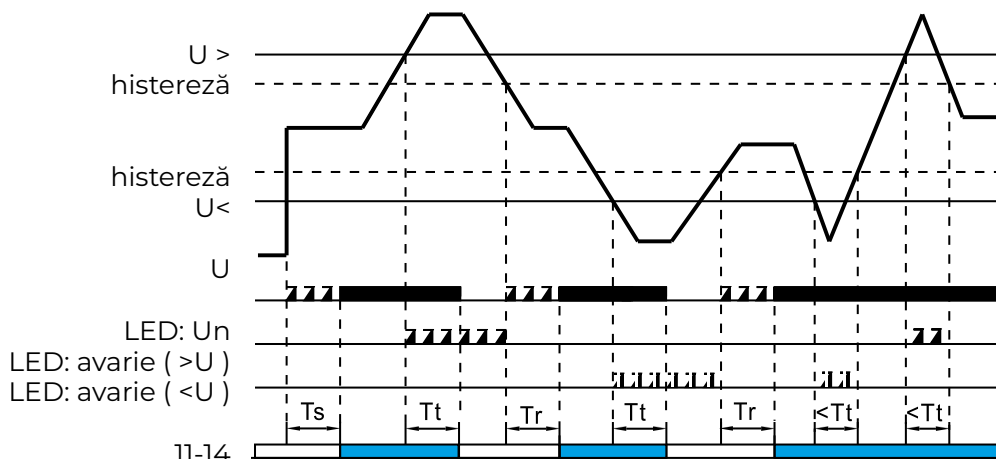


EVOUO2

EVOUO4



- Protecție împotriva creșterii și scăderii tensiunii.
- Aparatul deconectează circuitul de la rețeaua electrică, în cazul în care tensiunea depășește valoarea de prag
- Imediat ce tensiunea este restabilită, după o temporizare de 30 s recuperează automat circuitul!
- Starea de funcționare este indicată de LED-uri

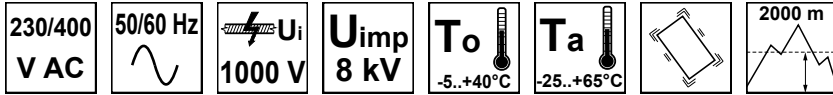


Ts: Timp de pornire

Tt: Temporizare la decuplare

Tr: Timp de reset

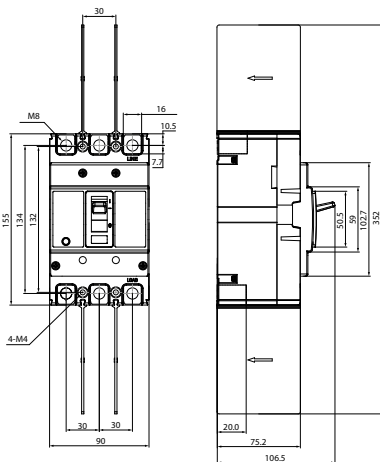
Înteruptor compact, tip AKM, cu declanșator termic și magnetic reglabil



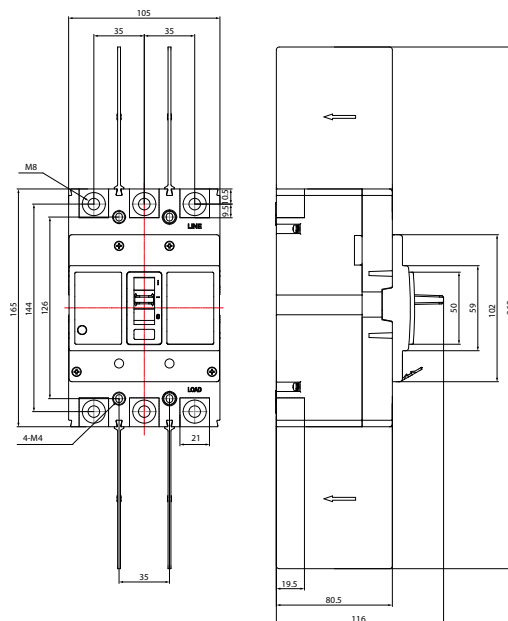
I_r	AKM1,-2,-3,-4	0,8-1 ($\times I_n$)
I_i	AKM1,-2,-3,-4	5-10 ($\times I_n$)
I_{cu} (kA _{eff}) AC 400 V	AKM1, AKM2	36
	AKM3, AKM4	50
I_{cs} (kA _{eff}) AC 400 V	AKM1, AKM2	25
	AKM3, AKM4	35
I_{max}	AKM1,-2	120
	AKM3,-4	60
	AKM1,-2	7000
	AKM3,-4	4000
I_{max}	AKM1,-2	1000
	AKM3,-4	1000
(kg)	AKM1	1,50
	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
AKM1-20	20	(16-20)	AKM1-63	63	(50,4-63)	AKM1-160	160	(128-160)	AKM3-400	400	(320-400)
AKM1-32	32	(25,6-32)	AKM1-80	80	(64-80)	AKM2-180	180	(144-180)	AKM4-630	630	(504-630)
AKM1-40	40	(32-40)	AKM1-125	125	(100-125)	AKM2-250	250	(200-250)			

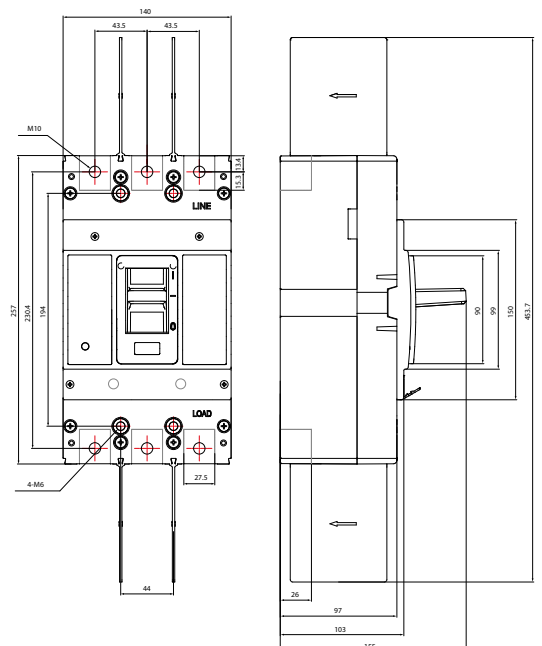
Desen cotat (AKM1)



Desen cotat (AKM2)



Desen cotat (AKM3,-4)





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Mai multe informații la distribuitorii noștri!