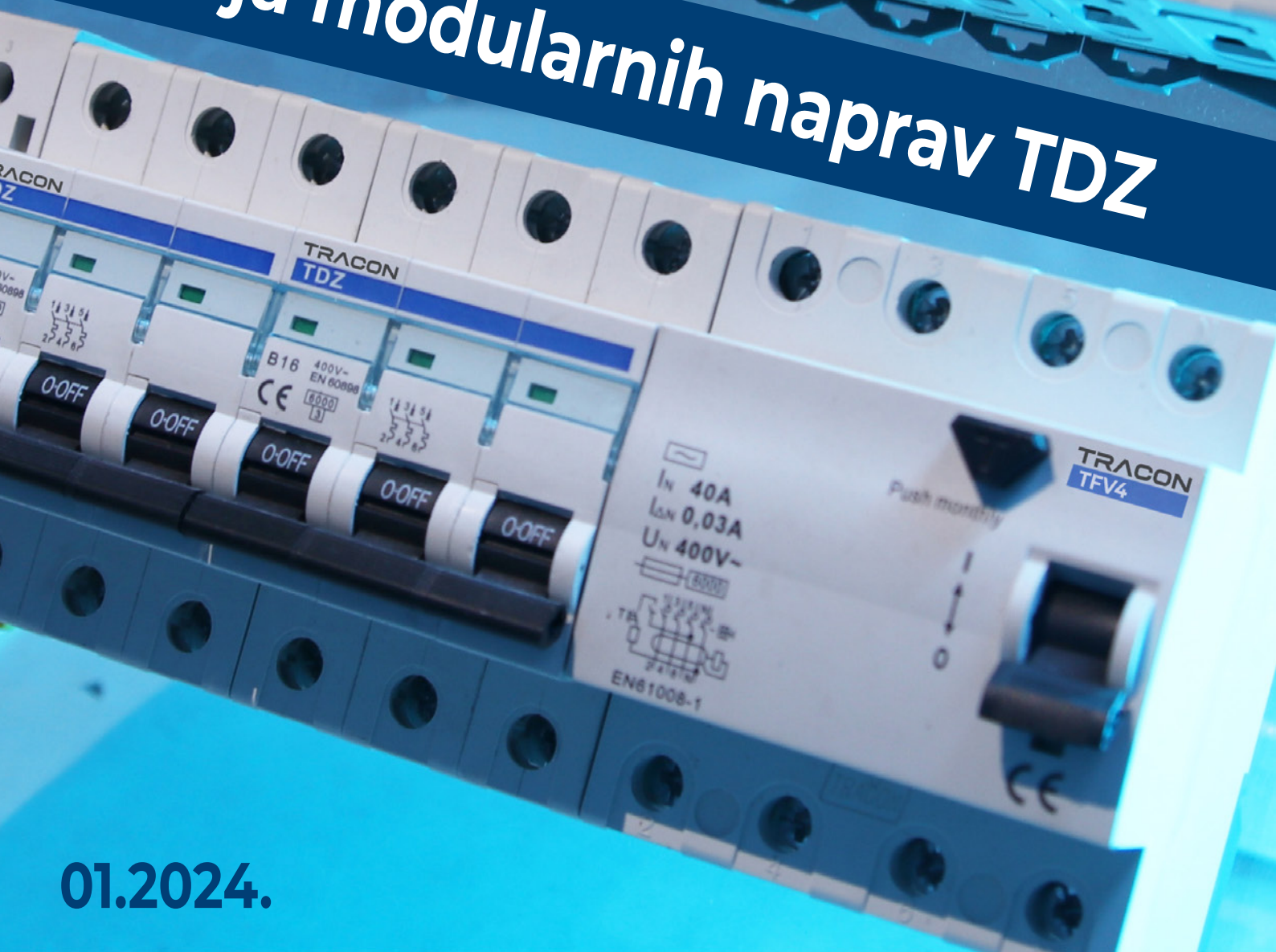




Seriya modularnih naprav TDZ



EVOZ I TDZ

ODKLOPNIKI
ENKRAT ZA VSELEJ!





Prenapetostni odvodniki tipa 1+2 **4**



Prenapetostni odvodniki tipa 2 **5**



Prenapetostni odvodniki tipa 2+3 **6**



Prenapetostni odvodniki tipa 1+2+3 **6**



Prenapetostni odvodniki tipa 3 **7**



Prenapetostni odvodniki DC **7**



Inštalacijski odklopniki, serija TDZ, 6 kA **8**



Tokovna zaščitna stikala FID, serija TFV (AC), 6 kA **9**



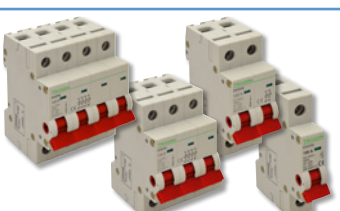
Tokovna zaščitna stikala FID za velike tokove, serija TFVH (AC), 6 kA **9**



Tokovna zaščitna stikala FID, serija TFG (A, AC), 6 kA **10**



Inštalacijski odklopniki 1+N, serija TDZN, 6 kA, C karakteristika **10**



Vrstna ločilna stikala, serija TIK **11**



Vrstni preklopniki, serija EVOSVK **12**



Vrstna ločilna stikala, možnost zaklepanja, serija EVOMS **13**



Signalne svetilke, serija EVOSLJL **13**



Inštalacijski kontaktorji, serija SHK **14**



Pomožne kontaktne enote za SHK kontaktorje **14**



Inštalacijski odklopniki za velike tokove, serija KMH, 6 kA **15**



Kombinirana zaščitna stikala, elektronska in elektromehanska **16**



Kombinirana zaščitna stikala, elektronska, serija KVKVE (AC), širina 1 modula, 6 kA **17**



Zaklepni zapahi za vrstne varnostne naprave **17**



Pomožni kontakti **18**



Sprožilci delovnega toka **18**



Prenapetostno podnapetostni sprožilci **18**



Enostopenjski releji za zakasnen vklop in za odpustno zakasnitev **19**



Časovni rele zvezda-trikot **20**

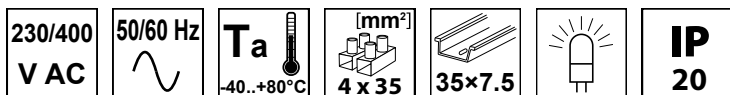


Multifunkcijski časovni rele (10 funkcij) **21**



Pre- in podnapetostni releji z avtomatskim ponovnim vklopom **22**

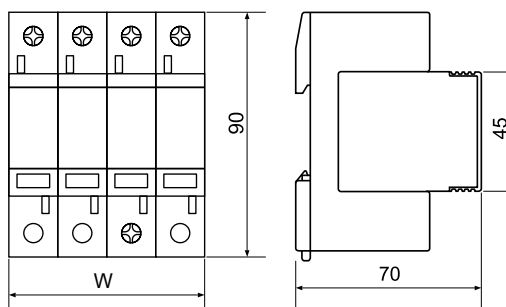
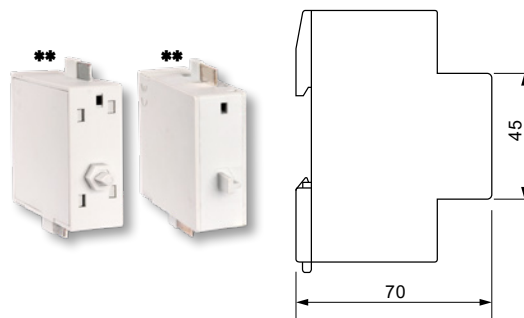
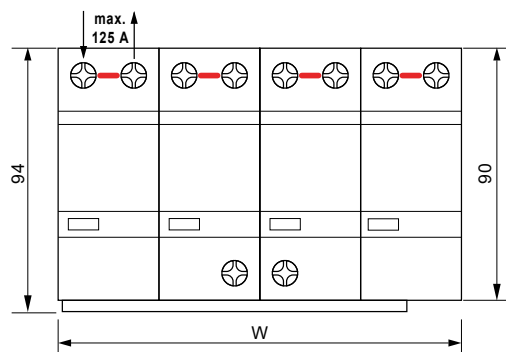
Prenapetostni odvodniki tipa 1+2



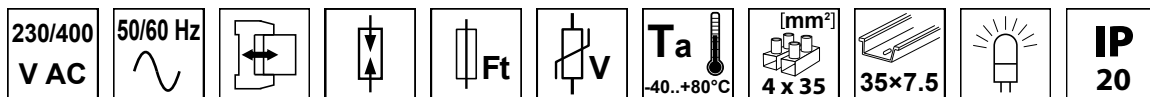
TRACON	xP	U _c	I _{imp} L-N/(N-PE)1P 10/350µs	I _n L-N/(N-PE) 8/20µs	I _{max} 8/20µs	U _p L-N/(N-PE)	gG	W (mm)
ESPD1+2-50-1P	1P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV	500 A	TN 36
ESPD1+2-50-2P	2P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN 72
ESPD1+2-50-3P	3P	385 V AC	50 kA	50 kA	160 kA	≤ 2,5 kV		TN-C 108
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

* zamenljivi zaščitni elementi

** oblika zatiča



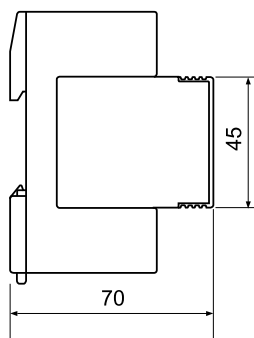
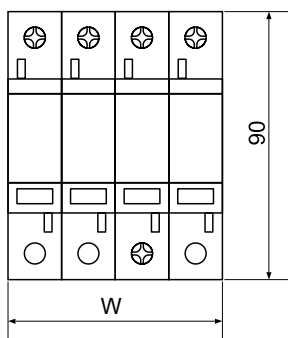
Prenapetostni odvodniki tipa 2



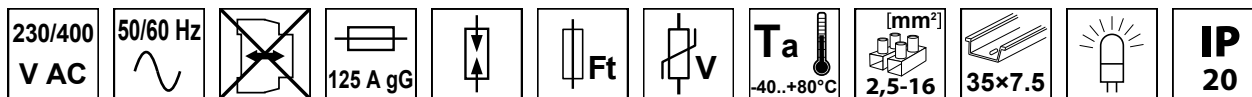
TRACON	xP	U _c	I _n L-N/(N-PE) 8/20µs	I _{max} 8/20µs	U _p L-N/(N-PE)	gG	W (mm)
ESPD2-40-1P	1P	275 V AC	20 kA	40 kA	≤ 1,3 kV	125 A	TN 18
ESPD2-40-2P	2P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN 36
ESPD2-40-3P	3P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN-C 54
ESPD2-40-4P	4P	275 V AC	20 kA	40 kA	≤ 1,3 kV		TN-S 72
ESPD2-40-1+1P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

* zamenljivi zaščitni elementi

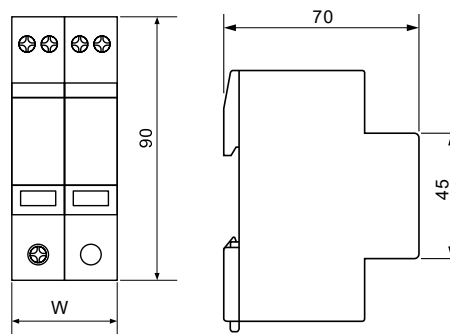
** oblika zatiča



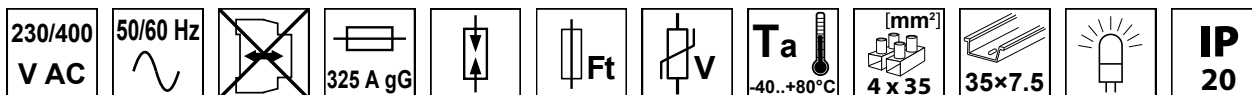
Prenapetostni odvodniki tipa 2+3



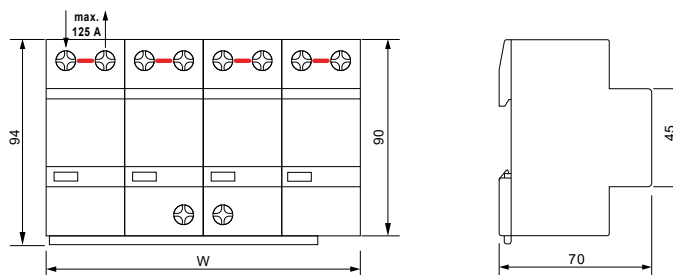
TRACON	xP	U _c	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _{oc}	U _p L-N/(N-PE)		W (mm)
ESPD2+3-40-2P	2P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN	18
ESPD2+3-40-4P	4P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV	TN-S	36
ESPD2+3-40-1+1P	1+1P	275 V AC	20 kA	40 kA	10 kV	≤ 1,3 kV / 1,5 kV	TN, TT	18
ESPD2+3-40-3+1P	3+1P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



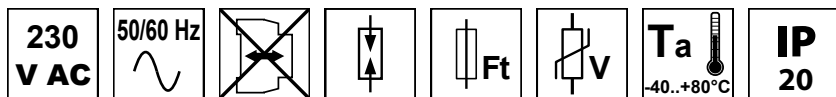
Prenapetostni odvodniki tipa 1+2+3



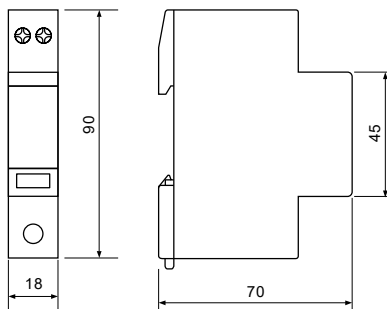
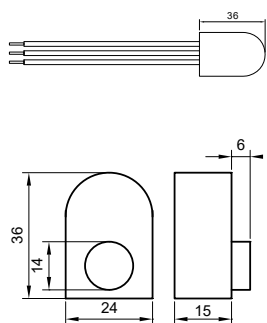
TRACON	xP	U _c	I _{imp} L-N/(N-PE)1P 10/350μs	I _n L-N/(N-PE) 8/20μs	I _{max} 8/20μs	U _{oc}	U _p L-N/(N-PE)		W (mm)
ESPD1+2+3-25-1P	1P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN	36
ESPD1+2+3-25-2P	2P	275 V AC	25 kA	25 kA	100 kA	20 kV	≤ 1,3 kV	TN	72
ESPD1+2+3-25-3P	3P	275 V AC	25 kA	25 kA	100 kA	20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



Prenapetostni odvodniki tipa 3

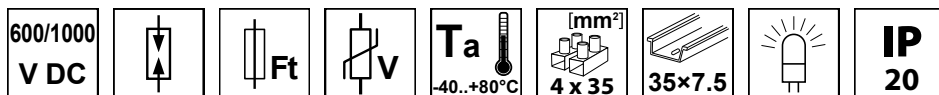


TRACON	xP	U _n	U _c	I _n L-N/(N-PE) 8/20µs	I _{max} 8/20µs	U _{oc}	U _p	gG	W (mm)	
ESPD3-3-2P	1+1P	230 V AC	275 V AC	3 kA	6 kA	6 kV	≤ 1,2 kV	16 A	TN, TT	36×24×15
ESPD3-5-1+1P	1+1P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤ 1,1 kV	32 A	TN, TT	18
ESPD3-5-2P	2P	230 V AC	275 V AC	5 kA	10 kA	10 kV	≤ 1,1 kV	32 A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

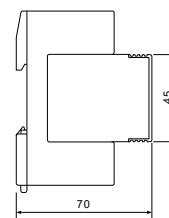
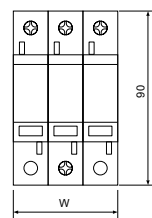
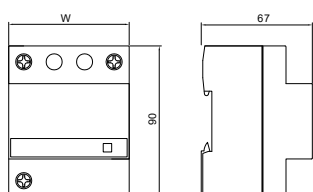
Prenapetostni odvodniki DC



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		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

* zamenljivi zaščitni elementi

** oblika zatiča

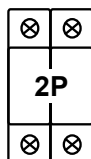
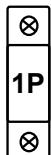


Inštalacijski odklopniki, serija TDZ, 6 kA

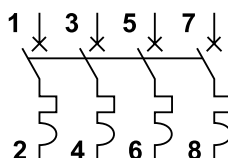
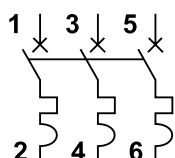
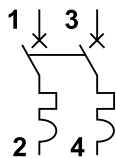
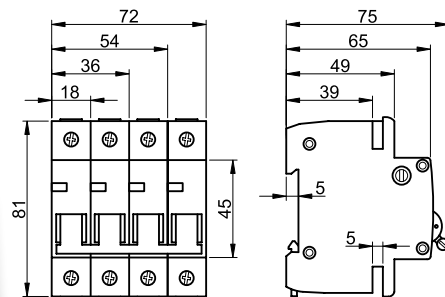
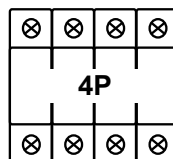
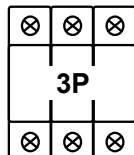


230/400 V AC	x20.000	x6.000	IP 20	35x7.5	[mm ²] 1,5-25	Ta -25...+55°C	U_i 500 V		I^{2t} 3	I_{cn} EN 60898 6 kA	
-----------------	---------	--------	--------------	--------	------------------------------	--------------------------	-------------------------------	--	----------------------------	---	--

TRACON			I _n (A)
TDZ-1B-1	TDZ-1C-1	TDZ-1D-1	1
TDZ-1B-2	TDZ-1C-2	TDZ-1D-2	2
TDZ-1B-4	TDZ-1C-4	TDZ-1D-4	4
TDZ-1B-6	TDZ-1C-6	TDZ-1D-6	6
TDZ-1B-10	TDZ-1C-10	TDZ-1D-10	10
TDZ-1B-13	TDZ-1C-13	TDZ-1D-13	13
TDZ-1B-16	TDZ-1C-16	TDZ-1D-16	16
TDZ-1B-20	TDZ-1C-20	TDZ-1D-20	20
TDZ-1B-25	TDZ-1C-25	TDZ-1D-25	25
TDZ-1B-32	TDZ-1C-32	TDZ-1D-32	32
TDZ-1B-40	TDZ-1C-40	TDZ-1D-40	40
TDZ-1B-50	TDZ-1C-50	TDZ-1D-50	50
TDZ-1B-63	TDZ-1C-63	TDZ-1D-63	63
TDZ-2B-1	TDZ-2C-1	TDZ-2D-1	1
TDZ-2B-2	TDZ-2C-2	TDZ-2D-2	2
TDZ-2B-4	TDZ-2C-4	TDZ-2D-4	4
TDZ-2B-6	TDZ-2C-6	TDZ-2D-6	6
TDZ-2B-10	TDZ-2C-10	TDZ-2D-10	10
TDZ-2B-13	TDZ-2C-13	TDZ-2D-13	13
TDZ-2B-16	TDZ-2C-16	TDZ-2D-16	16
TDZ-2B-20	TDZ-2C-20	TDZ-2D-20	20
TDZ-2B-25	TDZ-2C-25	TDZ-2D-25	25
TDZ-2B-32	TDZ-2C-32	TDZ-2D-32	32
TDZ-2B-40	TDZ-2C-40	TDZ-2D-40	40
TDZ-2B-50	TDZ-2C-50	TDZ-2D-50	50
TDZ-2B-63	TDZ-2C-63	TDZ-2D-63	63

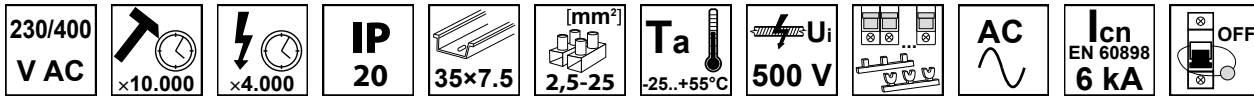


TRACON			I _n (A)
TDZ-3B-1	TDZ-3C-1	TDZ-3D-1	1
TDZ-3B-2	TDZ-3C-2	TDZ-3D-2	2
TDZ-3B-4	TDZ-3C-4	TDZ-3D-4	4
TDZ-3B-6	TDZ-3C-6	TDZ-3D-6	6
TDZ-3B-10	TDZ-3C-10	TDZ-3D-10	10
TDZ-3B-13	TDZ-3C-13	TDZ-3D-13	13
TDZ-3B-16	TDZ-3C-16	TDZ-3D-16	16
TDZ-3B-20	TDZ-3C-20	TDZ-3D-20	20
TDZ-3B-25	TDZ-3C-25	TDZ-3D-25	25
TDZ-3B-32	TDZ-3C-32	TDZ-3D-32	32
TDZ-3B-40	TDZ-3C-40	TDZ-3D-40	40
TDZ-3B-50	TDZ-3C-50	TDZ-3D-50	50
TDZ-3B-63	TDZ-3C-63	TDZ-3D-63	63
TDZ-4B-1	TDZ-4C-1	TDZ-4D-1	1
TDZ-4B-2	TDZ-4C-2	TDZ-4D-2	2
TDZ-4B-4	TDZ-4C-4	TDZ-4D-4	4
TDZ-4B-6	TDZ-4C-6	TDZ-4D-6	6
TDZ-4B-10	TDZ-4C-10	TDZ-4D-10	10
TDZ-4B-13	TDZ-4C-13	TDZ-4D-13	13
TDZ-4B-16	TDZ-4C-16	TDZ-4D-16	16
TDZ-4B-20	TDZ-4C-20	TDZ-4D-20	20
TDZ-4B-25	TDZ-4C-25	TDZ-4D-25	25
TDZ-4B-32	TDZ-4C-32	TDZ-4D-32	32
TDZ-4B-40	TDZ-4C-40	TDZ-4D-40	40
TDZ-4B-50	TDZ-4C-50	TDZ-4D-50	50
TDZ-4B-63	TDZ-4C-63	TDZ-4D-63	63

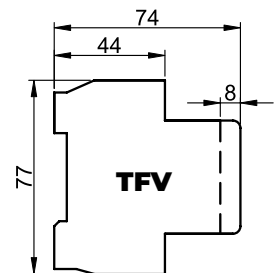
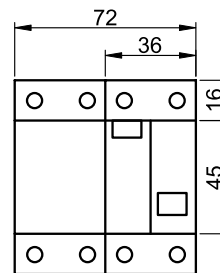
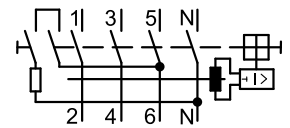
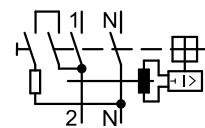
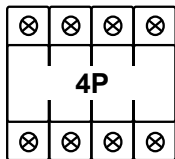
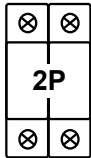


RELEVANT STANDARD
EN 60898

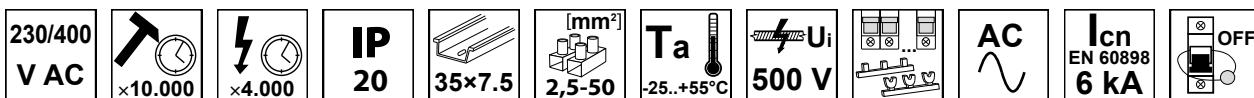
Tokovna zaščitna stikala FID, serija TFCV (AC), 6 kA



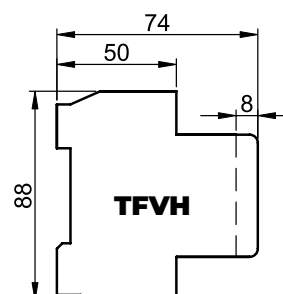
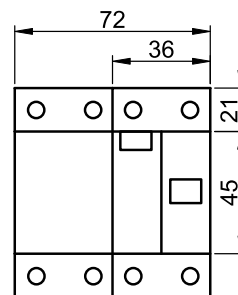
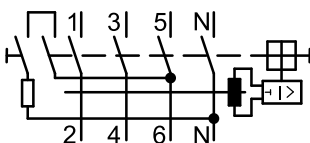
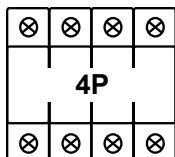
TRACON	I_n (A)	$I_{\Delta n}$ (mA)
TFV2-16030	16	30
TFV2-16100	16	100
TFV2-16300	16	300
TFV2-25030	25	30
TFV2-25100	25	100
TFV2-25300	25	300
TFV2-40030	40	30
TFV2-40100	40	100
TFV2-40300	40	300
TFV2-63030	63	30
TFV2-63100	63	100
TFV2-63300	63	300
TFV4-16030	16	30
TFV4-16100	16	100
TFV4-16300	16	300
TFV4-25030	25	30
TFV4-25100	25	100
TFV4-25300	25	300
TFV4-40030	40	30
TFV4-40100	40	100
TFV4-40300	40	300
TFV4-63030	63	30
TFV4-63100	63	100
TFV4-63300	63	300



Tokovna zaščitna stikala FID za velike tokove, serija TFCVH (AC), 6 kA

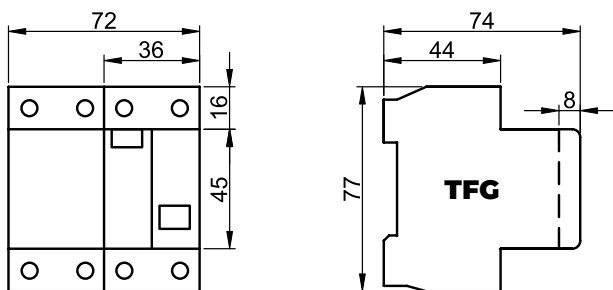
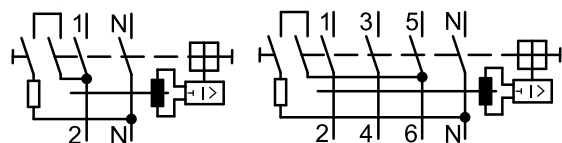
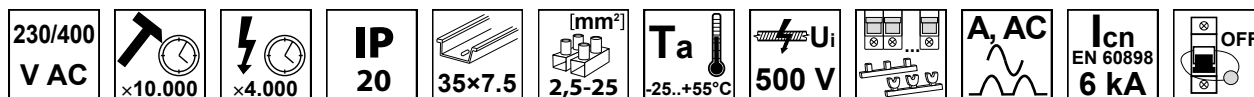


TRACON	I_n (A)	$I_{\Delta n}$ (mA)
TFVH4-80030	80	30
TFVH4-80100	80	100
TFVH4-80300	80	300
TFVH4-100030	100	30
TFVH4-100100	100	100
TFVH4-100300	100	300

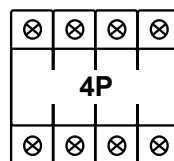
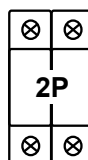


TÜV MEEI TEST DOCUMENTATION
M1 2792130 01

Tokovna zaščitna stikala FID, serija TFG (A, AC), 6 kA

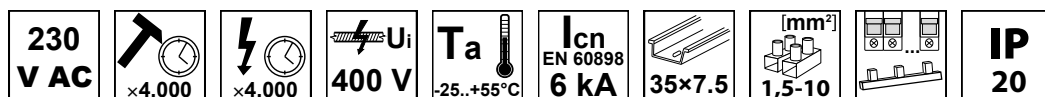


RELEVANT STANDARD
EN 61008-1



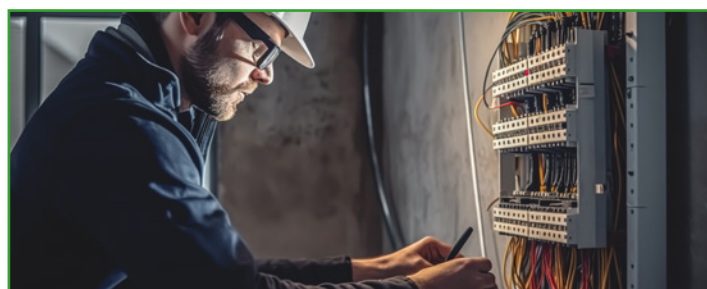
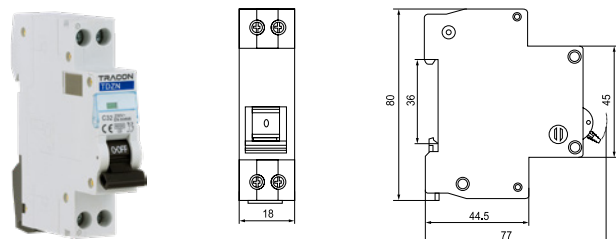
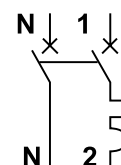
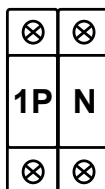
TRACON	I _n (A)	I _{Δn} (mA)
TFG2-16030	16	30
TFG2-16100	16	100
TFG2-16300	16	300
TFG2-25030	25	30
TFG2-25100	25	100
TFG2-25300	25	300
TFG2-40030	40	30
TFG2-40100	40	100
TFG2-40300	40	300
TFG2-63030	63	30
TFG2-63100	63	100
TFG2-63300	63	300
TFG4-16030	16	30
TFG4-16100	16	100
TFG4-16300	16	300
TFG4-25030	25	30
TFG4-25100	25	100
TFG4-25300	25	300
TFG4-40030	40	30
TFG4-40100	40	100
TFG4-40300	40	300
TFG4-63030	63	30
TFG4-63100	63	100
TFG4-63300	63	300

Inštalacijski odklopniki 1+N, serija TDZN, 6 kA, C karakteristika

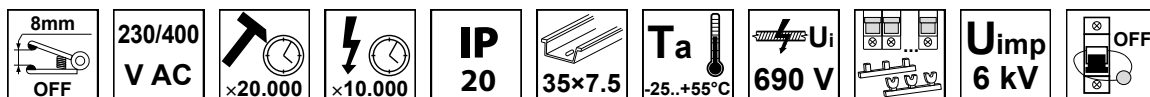


TRACON	I _n (A)
--------	--------------------

TDZNC3	3
TDZNC6	6
TDZNC10	10
TDZNC13	13
TDZNC16	16
TDZNC20	20
TDZNC25	25
TDZNC32	32

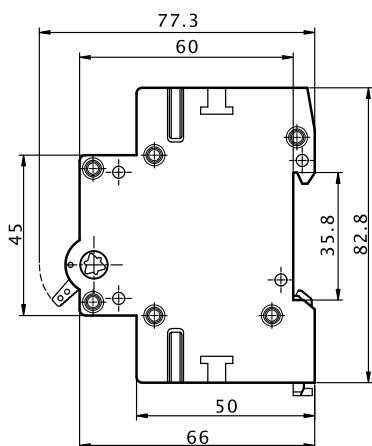
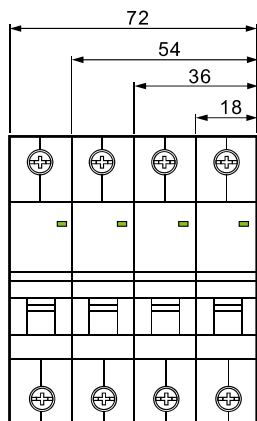
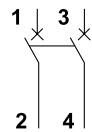
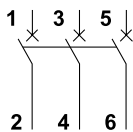
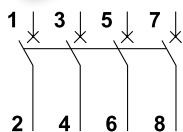
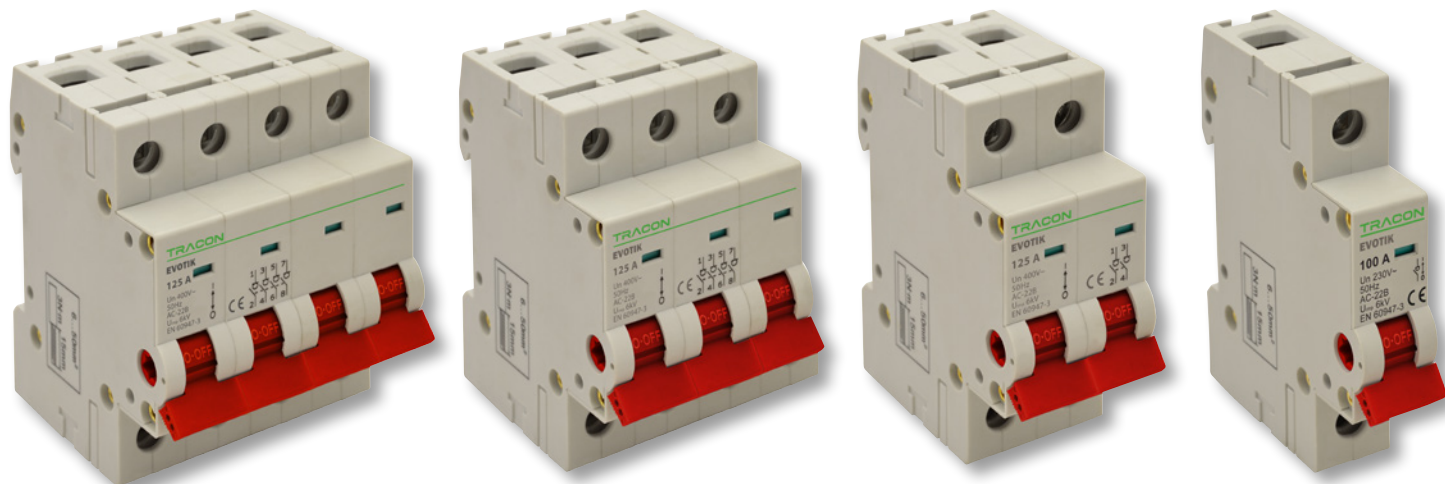


Vrstna ločilna stikala, serija TIK



	TRACON	I_n (A)	mm^2
1P	TIK1-20	20	1,5-50
	TIK1-25	25	
	TIK1-32	32	
	TIK1-40	40	
	TIK1-63	63	
	TIK1-80	80	
	TIK1-100	100	
2P	TIK1-125	125	1,5-50
	TIK2-20	20	
	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
3P	TIK3-20	20	1,5-50
	TIK3-25	25	
	TIK3-32	32	
	TIK3-40	40	
	TIK3-63	63	
	TIK3-80	80	
	TIK3-100	100	
4P	TIK3-125	125	1,5-50
	TIK4-20	20	
	TIK4-25	25	
	TIK4-32	32	
	TIK4-40	40	
	TIK4-63	63	
	TIK4-80	80	
	TIK4-100	100	
	TIK4-125	125	



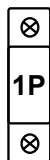
**RELEVANT STANDARD
EN 60947-3**



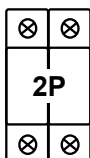
Vrstni preklopniki, serija EVOSVK

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
-----------------	---------	---------	-----------------	--------	----------------------------	-------------------------	-------------------------------	--	--------------------------------	-------------

TRACON	I _n (A)
--------	-----------------------

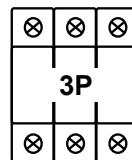


SVK1-16	16
SVK1-32	32
SVK1-63	63

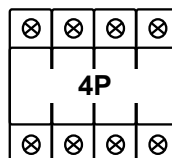


SVK2-16	16
SVK2-32	32
SVK2-63	63

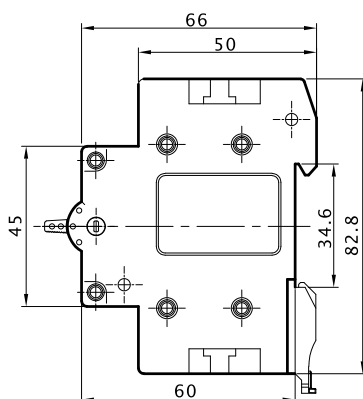
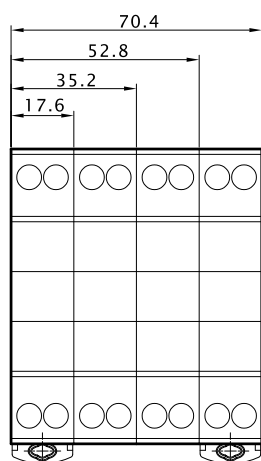
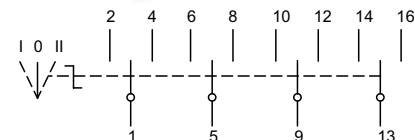
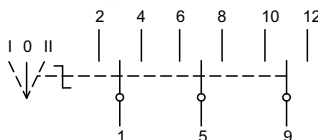
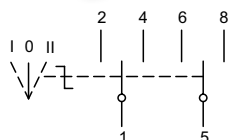
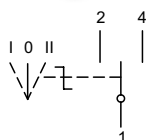
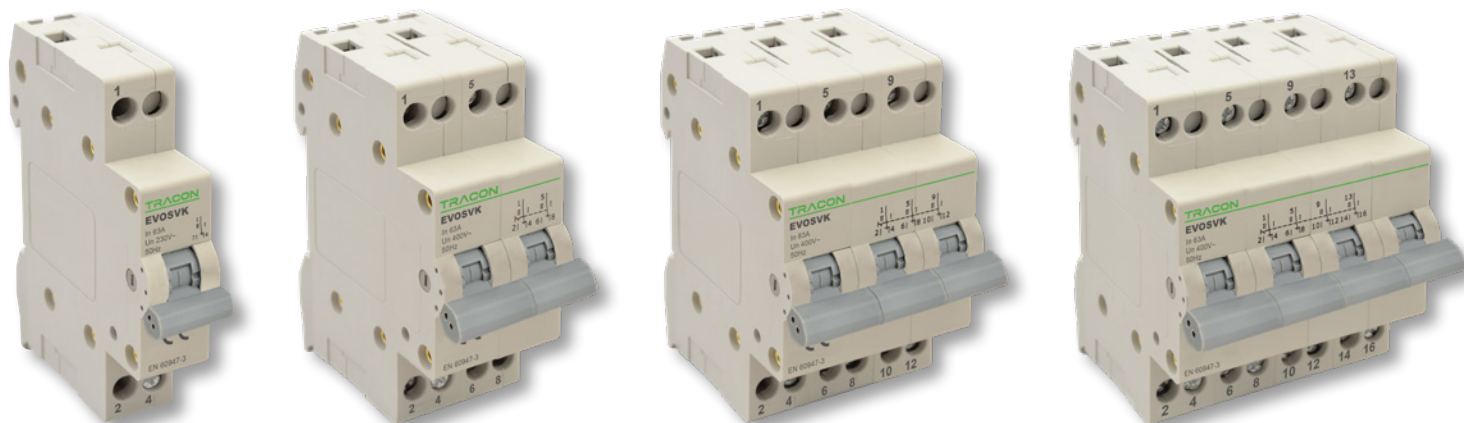
TRACON	I _n (A)
--------	-----------------------



SVK3-16	16
SVK3-32	32
SVK3-63	63



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

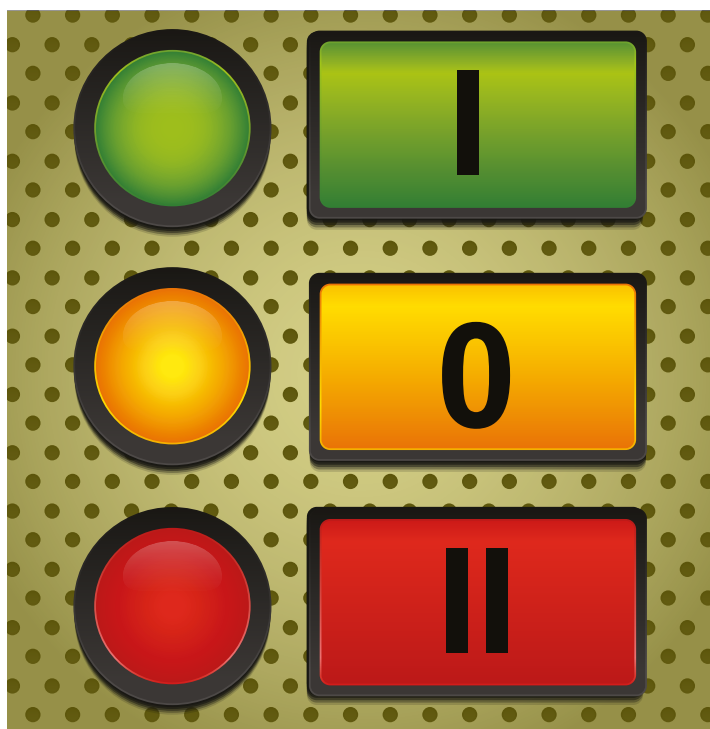


RELEVANT STANDARD
EN 60947-3



RELEVANT STANDARD
EN 60669-1

TÜV MEEI TEST DOCUMENTATION
28211822 001



Vrstna ločilna stikala, možnost zaklepanja, serija EVOMS

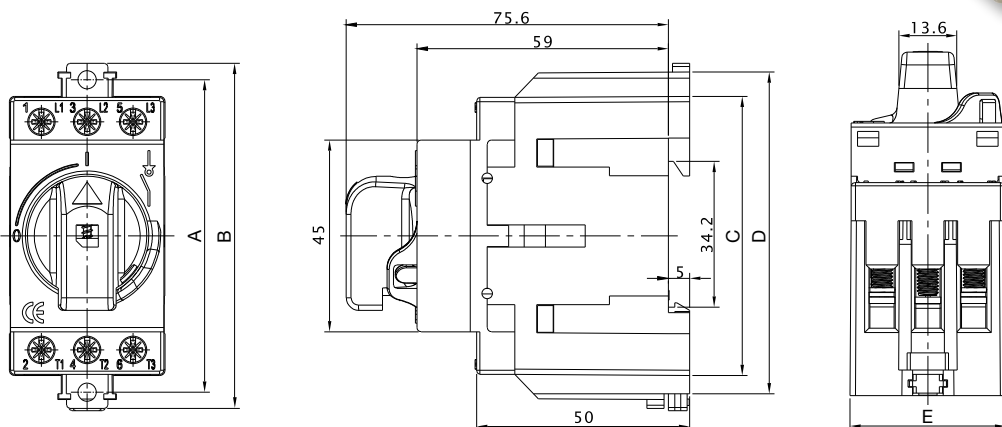
230/400 V AC
IP 20
35×7.5
Ta -25..+55°C
Ui 800 V
OFF

TRACON	Ith (40 °C)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	mm ²
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

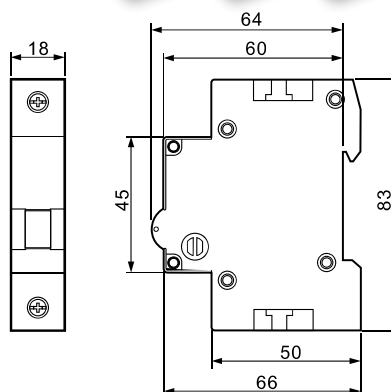


RELEVANT STANDARD
EN 60947-3

Signalne svetilke, serija EVOSLJL

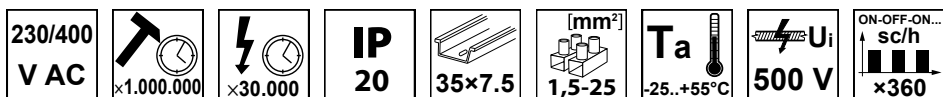
Pm 0,8 VA
20.000 [h]
IP 20
1-25 [mm²]
35×7.5
Ta -25..+55°C

TRACON	Color	Un	LED
SLJL-AC230-P	Red	230 V AC	× 1 LED
SLJL-AC230-Z	Blue	230 V AC	× 1 LED
SLJL-AC230-S	Yellow	230 V AC	× 1 LED
SLJL-AC230-F	White	230 V AC	× 1 LED
SLJL-AC230-K	Dark Blue	230 V AC	× 1 LED
SLJL-AC24-P	Red	24 V AC	× 1 LED
SLJL-AC24-Z	Blue	24 V AC	× 1 LED
SLJL-AC24-S	Yellow	24 V AC	× 1 LED
SLJL-AC24-F	White	24 V AC	× 1 LED
SLJL-AC24-K	Dark Blue	24 V AC	× 1 LED
SLJL-AC230-3Z	Blue, Red, Yellow	3×230 V AC	× 3 LED
SLJL-AC230-SZP	Yellow, Red, Blue	3×230 V AC	× 3 LED
SLJL-DC220-P	Red	220 V DC	× 1 LED
SLJL-DC220-Z	Blue	220 V DC	× 1 LED
SLJL-DC220-S	Yellow	220 V DC	× 1 LED
SLJL-DC220-F	White	220 V DC	× 1 LED
SLJL-DC220-K	Dark Blue	220 V DC	× 1 LED
SLJL-DC24-P	Red	24 V DC	× 1 LED
SLJL-DC24-Z	Blue	24 V DC	× 1 LED
SLJL-DC24-S	Yellow	24 V DC	× 1 LED
SLJL-DC24-F	White	24 V DC	× 1 LED
SLJL-DC24-K	Dark Blue	24 V DC	× 1 LED

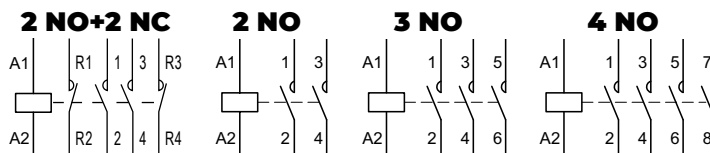
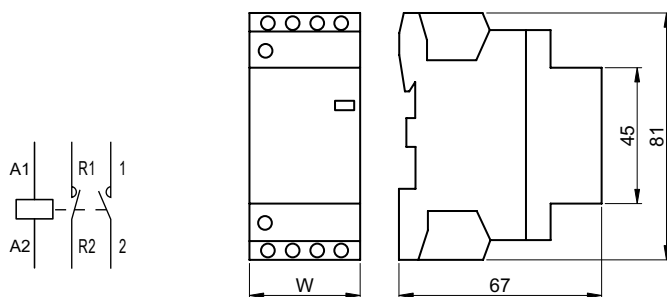


RELEVANT STANDARD
EN 62094-1
EN 60947-5

Inštalacijski kontaktorji, serija SHK

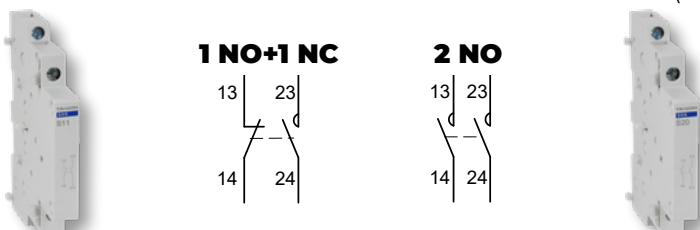


TRACON	U _m	I _n (A)	W (mm)	P _e (kW)				P _s			[mm ²]
				AC1/AC7a 230V	AC3/AC7b 230V	AC1/AC7a 400V	AC3/AC7b 400V				
SHK2-25	230 V AC	25	18	5 kW	1,5 kW	-	-	1,35 W	20A gG	2 × NO	1-6
SHK2-25V11	230 V AC	25	18	5 kW	1,5 kW	-	-	1,35 W	20A gG	1 × NO+1 × NC	1-6
SHK2-25-24	24 V AC	25	18	5 kW	1,5 kW	-	-	1,35 W	20A gG	2 × NO	1-6
SHK2-40	230 V AC	40	36	9 kW	2,2 kW	-	-	1,55 W	32A gG	2 × NO	2,5-25
SHK2-40V11	230 V AC	40	36	9 kW	2,2 kW	-	-	1,55 W	32A gG	1 × NO+1 × NC	2,5-25
SHK2-63	230 V AC	63	36	14 kW	5,5 kW	-	-	1,55 W	50A gG	2 × NO	2,5-25
SHK2-63V11	230 V AC	63	36	14 kW	5,5 kW	-	-	1,55 W	50A gG	1 × NO+1 × NC	2,5-25
SHK3-25	230 V AC	25	36	5 kW	1,5 kW	9,5 kW	3,4 kW	1,35 W	20A gG	3 × NO	1-6
SHK3-40	230 V AC	40	54	9 kW	2,2 kW	16 kW	4 kW	1,55 W	32A gG	3 × NO	2,5-25
SHK3-63	230 V AC	63	54	14 kW	5,5 kW	24 kW	9 kW	1,55 W	50A gG	3 × NO	2,5-25
SHK4-25	230 V AC	25	36	5 kW	1,5 kW	9,5 kW	3,4 kW	1,35 W	20A gG	4 × NO	1-6
SHK4-25V22	230 V AC	25	36	5 kW	1,5 kW	9,5 kW	3,4 kW	1,35 W	20A gG	2 × NO+2 × NC	1-6
SHK4-40	230 V AC	40	54	9 kW	2,2 kW	16 kW	4 kW	1,55 W	32A gG	4 × NO	2,5-25
SHK4-40V22	230 V AC	40	54	9 kW	2,2 kW	16 kW	4 kW	1,55 W	32A gG	2 × NO+2 × NC	2,5-25
SHK4-63	230 V AC	63	54	14 kW	5,5 kW	24 kW	9 kW	1,55 W	50A gG	4 × NO	2,5-25
SHK4-63V22	230 V AC	63	54	14 kW	5,5 kW	24 kW	9 kW	1,55 W	50A gG	2 × NO+2 × NC	2,5-25
SHK2-25K	230 V AC	25	18	5 kW	1,5 kW	-	-	1,35 W	20A gG	2 × NO	1-6
SHK2-40K	230 V AC	40	36	9 kW	2,2 kW	-	-	1,55 W	32A gG	2 × NO	2,5-25
SHK2-63K	230 V AC	63	36	14 kW	5,5 kW	-	-	1,55 W	50A gG	2 × NO	2,5-25
SHK4-25K	230 V AC	25	36	5 kW	1,5 kW	9,5 kW	3,4 kW	1,35 W	20A gG	4 × NO	1-6
SHK4-40K	230 V AC	40	54	9 kW	2,2 kW	16 kW	4 kW	1,55 W	32A gG	4 × NO	2,5-25
SHK4-63K	230 V AC	63	54	14 kW	5,5 kW	24 kW	9 kW	1,55 W	50A gG	4 × NO	2,5-25



Pomožne kontaktne enote za SHK kontaktorje

TRACON	U _m	I _n (A)	W (mm)	AC12 (230V)	AC15 (230V)	DC13 (130V)		[mm ²]
SHK-S11	230 V AC	5 A	9 mm	5 A (AC12)	2 A (AC15)	1 A	1 × NO + 1 × NC	1-6 mm ²
SHK-S20	230 V AC	5 A	9 mm	5 A (AC12)	2 A (AC15)	1 A	2 × NO	1-6 mm ²



Inštalacijski odklopniki za velike tokove, serija KMH, 6 kA

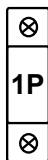
230/400 V AC	$\times 10.000$	$\times 4.000$	IP 20	35x7.5	[mm ²] 16-35	Ta -25..+55°C	500 V		12t 3	Icn EN 60898 6 kA	
-----------------	-----------------	----------------	--------------	--------	-----------------------------	------------------	-------	--	----------	-------------------------	--

TRACON

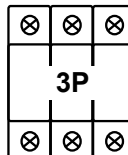
I_n (A)

TRACON

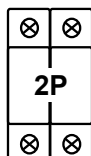
I_n (A)



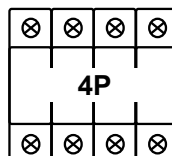
KMH-163	63
KMH-180	80
KMH-1100	100
KMH-1125	125



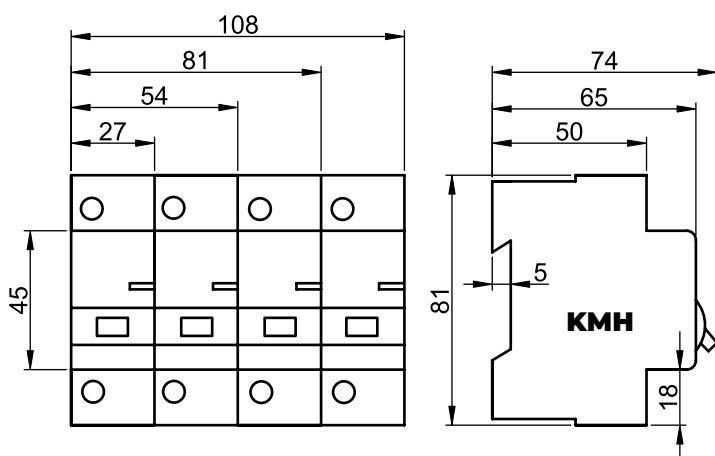
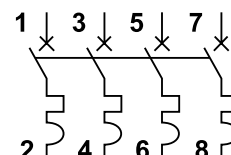
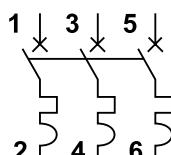
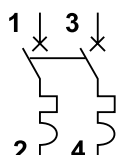
KMH-363	63
KMH-380	80
KMH-3100	100
KMH-3125	125



KMH-263	63
KMH-280	80
KMH-2100	100
KMH-2125	125

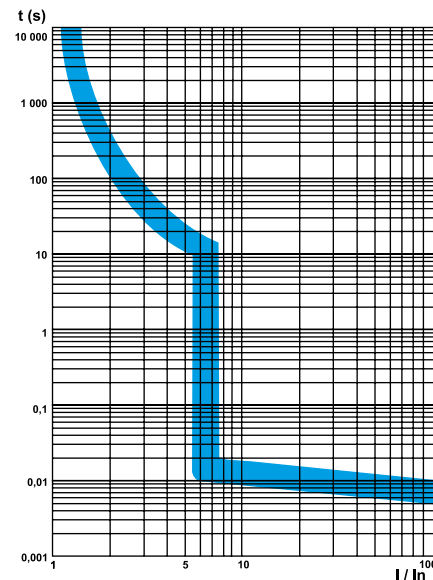


KMH-463	63
KMH-480	80
KMH-4100	100
KMH-4125	125



**RELEVANT STANDARD
EN 60898**

Karakteristika odklopa



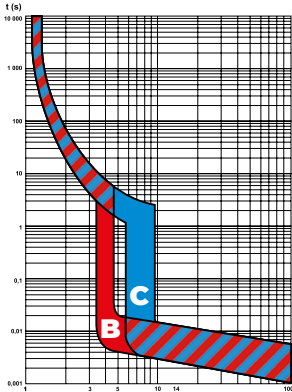
Kombinirana zaščitna stikala, elektronska, serija KVK (AC), širina 2 modulov, 3 kA



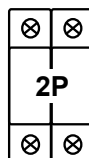
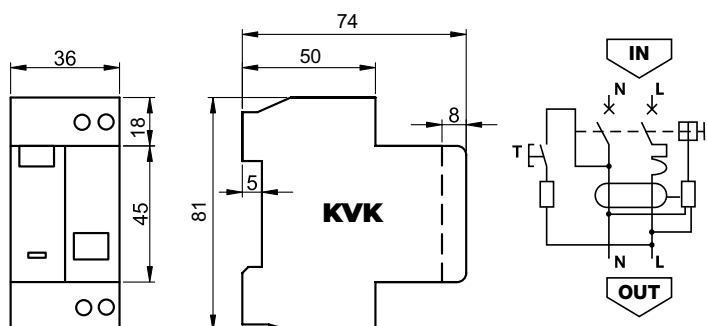
230 V AC
 $\times 20.000$
 $\times 4.000$
IP 20
35x7.5
[mm²] 1,0-10
Ta -25...+55°C
690 V
AC
I_{cn} EN 60898 3 kA



Karakteristika odklopa



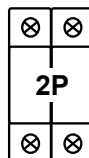
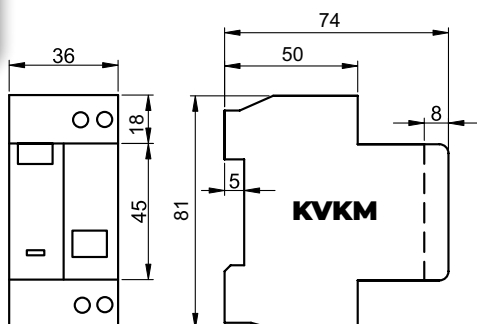
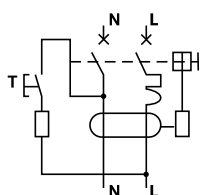
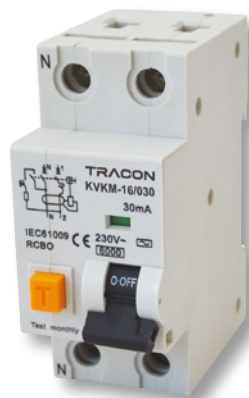
E3



TRACON		I _n (A)	I Δ _n (mA)
B	C		
KVKB-6/03	KVK-6/03	6	30
KVKB-6/10	KVK-6/10	6	100
KVKB-6/30	KVK-6/30	6	300
KVKB-10/03	KVK-10/03	10	30
KVKB-10/10	KVK-10/10	10	100
KVKB-10/30	KVK-10/30	10	300
KVKB-16/03	KVK-16/03	16	30
KVKB-16/10	KVK-16/10	16	100
KVKB-16/30	KVK-16/30	16	300
KVKB-20/03	KVK-20/03	20	30
KVKB-20/10	KVK-20/10	20	100
KVKB-20/30	KVK-20/30	20	300
KVKB-25/03	KVK-25/03	25	30
KVKB-25/10	KVK-25/10	25	100
KVKB-25/30	KVK-25/30	25	300
KVKB-32/03	KVK-32/03	32	30
KVKB-32/10	KVK-32/10	32	100
KVKB-32/30	KVK-32/30	32	300

Kombinirana zaščitna stikala, elektromehanska, serija KVKM (AC), širina 2 modulov, 6 kA

230 V AC
 $\times 20.000$
 $\times 4.000$
IP 20
35x7.5
[mm²] 1,5-10
Ta -25...+55°C
690 V
AC
I_{cn} EN 60898 6 kA
OFF

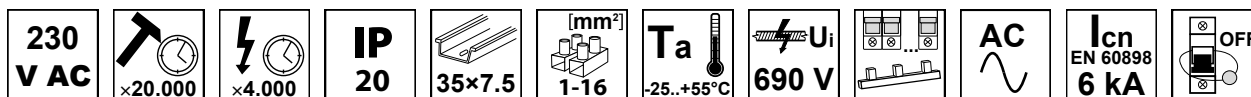


TRACON		I _n (A)	I Δ _n (mA)
B	C		
KVKMB-6/030	KVKM-6/030	6	30
KVKMB-6/100	KVKM-6/100	6	100
KVKMB-6/300	KVKM-6/300	6	300
KVKMB-10/030	KVKM-10/030	10	30
KVKMB-10/100	KVKM-10/100	10	100
KVKMB-10/300	KVKM-10/300	10	300
KVKMB-16/030	KVKM-16/030	16	30
KVKMB-16/100	KVKM-16/100	16	100
KVKMB-16/300	KVKM-16/300	16	300
KVKMB-20/030	KVKM-20/030	20	30
KVKMB-20/100	KVKM-20/100	20	100
KVKMB-20/300	KVKM-20/300	20	300
KVKMB-25/030	KVKM-25/030	25	30
KVKMB-25/100	KVKM-25/100	25	100
KVKMB-25/300	KVKM-25/300	25	300
KVKMB-32/030	KVKM-32/030	32	30
KVKMB-32/100	KVKM-32/100	32	100
KVKMB-32/300	KVKM-32/300	32	300
KVKMB-40/030	KVKM-40/030	40	30
KVKMB-40/100	KVKM-40/100	40	100
KVKMB-40/300	KVKM-40/300	40	300

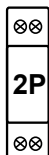


Elektromehansko kombinirano stikalo nudi zaščito pred električnim udarom tudi v primeru prekinitve ničelnega vodnika.

Kombinirana zaščitna stikala, elektronska, serija KVKVE (AC), širina 1 modula, 6 kA

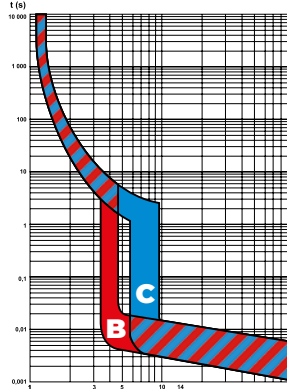


TRACON		I _n (A)	I Δ _n (mA)
B	C		
KVKVEB-6/30	KVKVE-6/30	6	30
KVKVEB-6/100	KVKVE-6/100	6	100
KVKVEB-10/30	KVKVE-10/30	10	30
KVKVEB-10/100	KVKVE-10/100	10	100
KVKVEB-13/30	KVKVE-13/30	13	30
KVKVEB-13/100	KVKVE-13/100	13	100
KVKVEB-16/30	KVKVE-16/30	16	30
KVKVEB-16/100	KVKVE-16/100	16	100
KVKVEB-20/30	KVKVE-20/30	20	30
KVKVEB-20/100	KVKVE-20/100	20	100
KVKVEB-25/30	KVKVE-25/30	25	30
KVKVEB-25/100	KVKVE-25/100	25	100
KVKVEB-32/30	KVKVE-32/30	32	30
KVKVEB-32/100	KVKVE-32/100	32	100

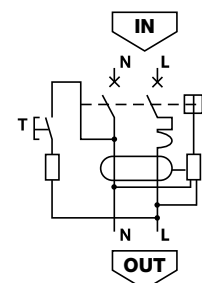
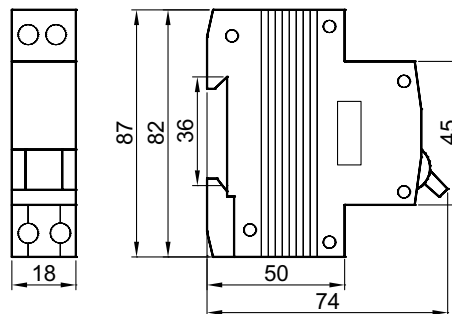


RELEVANT STANDARD
EN 61009-1

Karakteristika odklopa



E3



Zaklepni zapahi za vrstne varnostne naprave

Zaklepni zapah omogoča, da se vrstne varnostne naprave – odvisno od tipa – s ključavnico zapahnejo v položaju „OFF”. Zapah se uporablja v širini 8–10 mm v reži na upravljalni ročici. Za pritrditev zavihkov zapaha je na obeh zunanjih robovih reže v najvišji točki krožnega loka potrebna izvrtina 1–1,5 mm.

Maksimalni stremenski premer zapaha je 8 mm. Uporaba zapaha v položaju „ON” je prepovedana!

TRACON

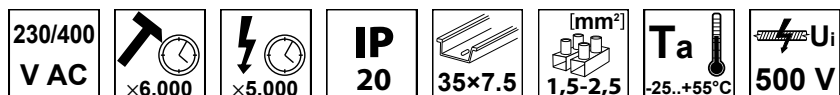


MDL

MB, RB, TDZ, KVKM, KVK, KVKVE, TFG, TFIG, TFG, EVO..



Pomožni kontakti



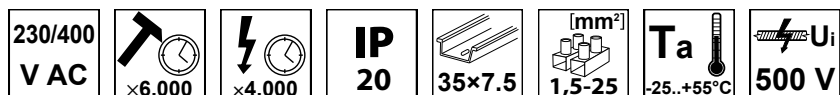
TRACON		I_n (A) (415 V AC)	I_n (A) (240 V AC)	I_n (A) (125 V DC)	I_n (A) (48 V DC)	I_n (A) (24 V DC)
--------	--	-----------------------------------	-----------------------------------	-----------------------------------	----------------------------------	----------------------------------

TDZ-F2

TDZ 3 A 6 A 1 A 2 A 4 A

Označuje vklop ali izklop stikala varovalke.

Sprožilci delovnega toka



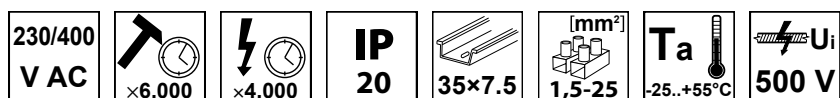
TRACON		U_m
--------	--	-------

C60-S2

TDZ 110-415 V AC / 110-220 V DC

Pod vplivom impulzivno priključene napetosti izključi odklopnik, zato je primeren za daljinsko izklapljanje. Pri izklopu izskoči gumb reset in šele po tem, ko gumb povrnemo v prvotni položaj, lahko odklopnik ponovno vključimo. Pozor: Pogonska tuljava je lahko pod napetostjo max. 10 sekund!

Prenapetostno podnapetostni sprožilci



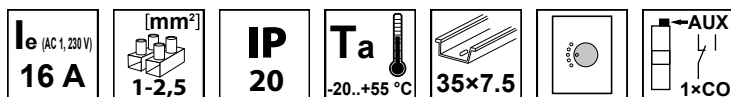
TRACON		U_{up}	U_{down}
--------	--	----------	------------

C60-U2/O2

TDZ 280 V ± 5 % 170 V ± 5 %

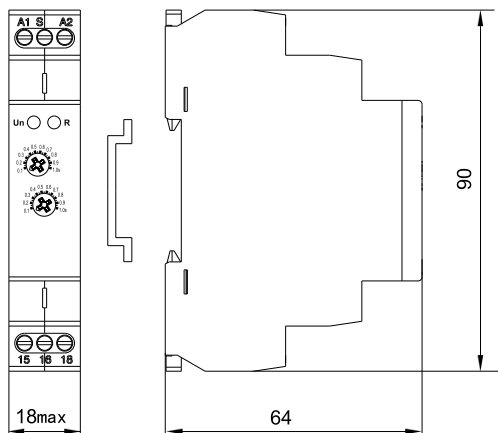
V kolikor omrežna napetost odstopa od danega delovnega intervala, sprožilnik izklopi odklopnik in s tem porabnika zaščiti pred škodljivimi vplivi nihanja napetosti. Odklopnik lahko ponovno vklopimo šele, ko se vrednost napetosti na sponkah sprožilnika vrne v delovno področje (170 V-280 V). Pri izklopu izskoči gumb reset in šele po tem, ko gumb povrnemo v prvotni položaj, lahko varovalko ponovno vključimo.

Enostopenjski releji za zakasnjjen vklop



TRACON	U_m	VAC A				
---------------	----------------------	--------------	--	--	--	--

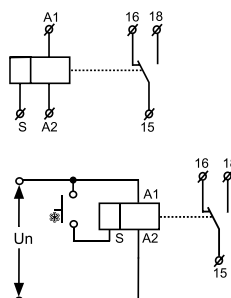
NARIDON AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 h 62 g



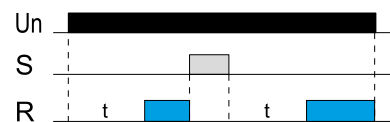
**RELEVANT STANDARD
EN 61812-1**

Uporaba

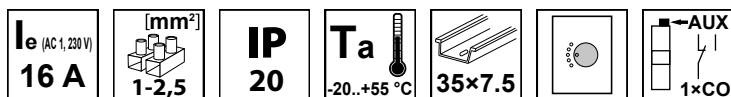
- Uporablamo ga lahko za aplikacije, kjer so načini delovanja in časovne zahteve znane.
- Časovno stikalo se lahko uporablja pri črpalkah, za zakasnjjen vklop centralnih peči, za ventilatorje ...



* koračni gumb
(za impulzni znak)

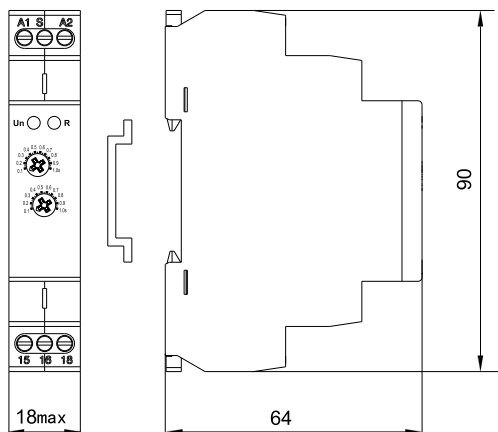


Enostopenjski releji odpustne zakasnitve



TRACON	U_m	VAC A				
---------------	----------------------	--------------	--	--	--	--

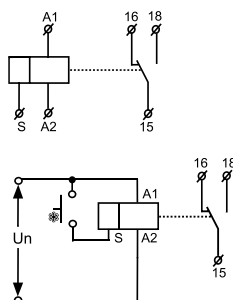
NARIDOFF AC/DC 12-240 V 16 A 230 VAC ± 0,2 % ± 5 % 0,1 s - 10 h 62 g



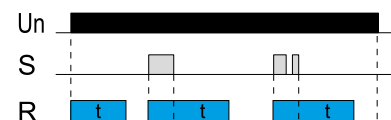
**RELEVANT STANDARD
EN 61812-1**

Uporaba

- Uporablamo ga lahko za aplikacije, kjer so načini delovanja in časovne zahteve znane.
- Časovno stikalo se lahko uporablja pri črpalkah, za zakasnjjen izklop centralnih peči, za ventilatorje ...



* koračni gumb
(za impulzni znak)



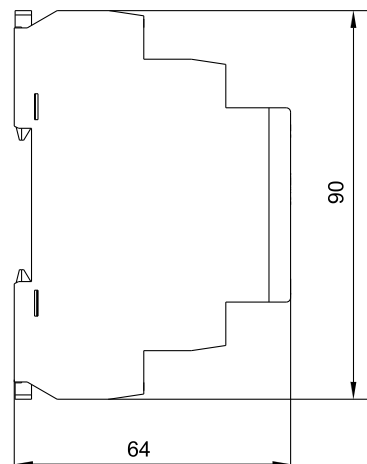
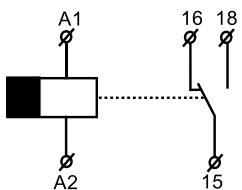
Rele odpušne zakasnitve, krmiljen z napajalno napetostjo

I_e (AC 1, 230 V) 16 A	[mm²] 1-2,5	IP 20	T_a -20...+55 °C	35×7.5		
---	----------------------------------	------------------------	--------------------------------------	--------	--	--

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

Uporaba

- Za vklop zasilnega napajanja pri breznapetostnem stanju (zasilna razsvetljava, zasilni odvod plinov, vrata z daljinskim upravljanjem - v primeru požara).



RELEVANT STANDARD
EN 61812-1

Časovni rele zvezda-trikot

I_e (AC 1, 230 V) 16 A	[mm²] 1-2,5	IP 20	T_a -20...+55 °C	35×7.5		
---	----------------------------------	------------------------	--------------------------------------	--------	--	--

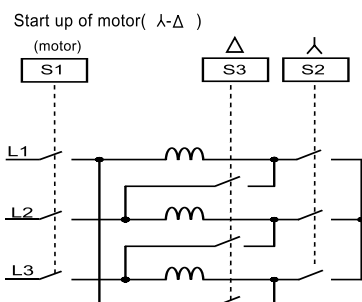
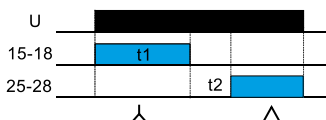
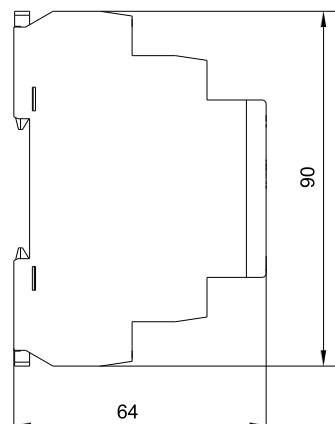
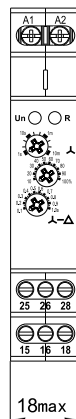
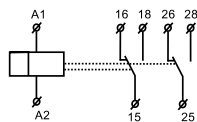
TRACON	U_m	VAC A			t₁	t₂	
NARIST	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 min.	0,1 s - 1 s	86 g

Uporaba

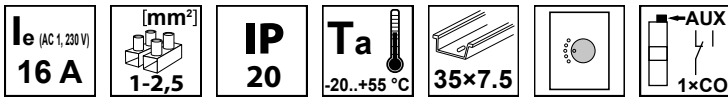
- Za zagon trifaznih elektromotorjev s kratkostično kletko.
 - Za zagon trifaznih elektromotorjev s kratkostično kletko je potreben relativno visok tok. Da bi zmanjšali visok zagonski tok, se motorji zaganjajo v vezavi »zvezda«, in ko motor doseže svojo nazivno hitrost, se njegova navitja preklopijo v vezavo »trikot« z uporabo časovnega releja, ki je nastavljen na podlagi izkušenj z obratovanjem dotičnega elektromotorja.



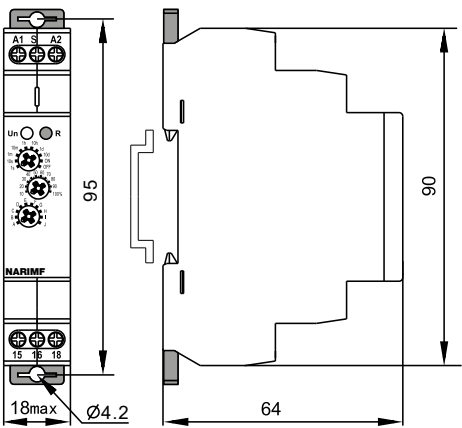
RELEVANT STANDARD
EN 61812-1



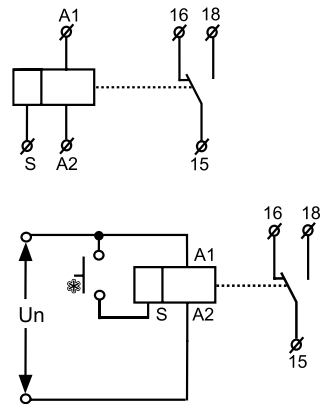
Multifunkcijski časovni rele (10 funkcij)



TRACON	Um	VAC A				
NARIMF	AC/DC 12-240 V	16 A 230 VAC	± 0,2 %	± 5 %	0,1 s - 10 d	64 g



Uporaba
 - Multifunkcijski časovni rele se porablja pri elektronskih napravah. Na primer za krmiljenje razsvetljave, ogrevanja, motorjev, črpalk in ventilatorjev. (10 funkcij, 10 časovnih obdobj, več obratovalnih napetosti)



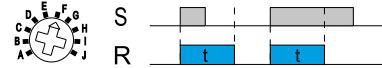
RELEVANT STANDARD
EN 61812-1

* koračni gumb (za impulzni znak)

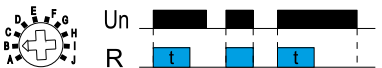
A: Zakasnen vklop



F: Odpustna zakasnitev (krmilni signal S, 1 takt)



B: Odpustna zakasnitev



G: 1 takt, krmilni signal s spustom (v vklopljenem stanju se ne da ponovno zagnati)



C: Generator takta (začetek s pavzo)



H: Pritezna in odpustna zakasnitev



D: Generator takta (začetek z impulzom)



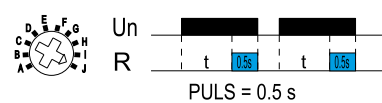
I: Impulzni rele



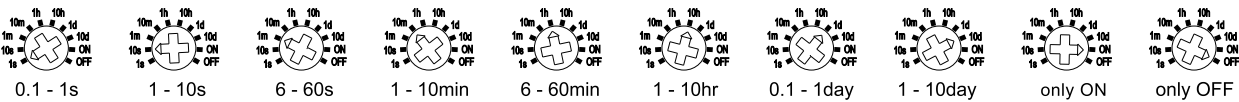
E: Odpustna zakasnitev (premor krmilnega signala S)



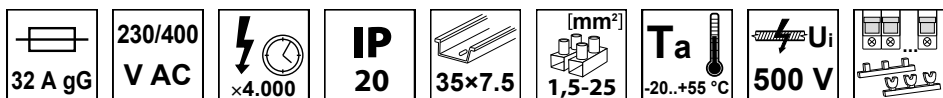
J: Impulzni generator



Časovno obdobje



Pre- in podnapetostni releji z avtomatskim ponovnim vklopom

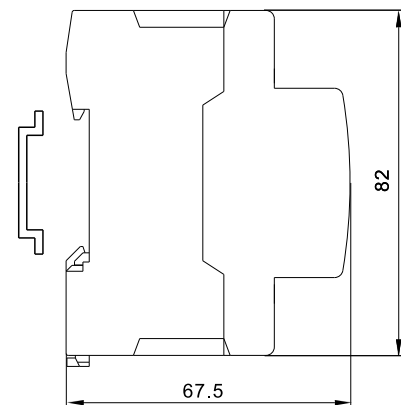
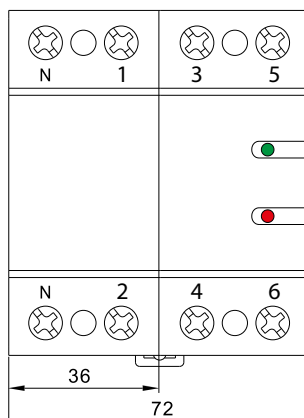


TRACON	2P		4P	
	EVOUO2	EVOUC2P63	EVOUO4	EVOUO4P63
Nazivna napetost	230 V AC		230 V AC (L-N)	
Nazivna frekvenca	50 Hz			
Nazivni tok	40 A (AC 1)			
Lastna poraba električne energije	AC max. 3 VA			
Zgornja meja zaščite pred prenapetostjo	265 V (fix)		265 V (L-N) (fix)	
Zgornja meja ponovnega vklopa	257 V (fix)		257 V (L-N) (fix)	
Spodnja meja zaščite pred podnapetostjo	175 V (fix)		175 V (L-N) (fix)	
Spodnja meja ponovnega vklopa	180 V (fix)		180 V (L-N) (fix)	
Preklopni čas	1 s			
Zakasnitev vklopa	2 s			
Čas ponovnega vklopa	30 s			
Točnost meritve	≤1%			

Masa

120 g

250 g

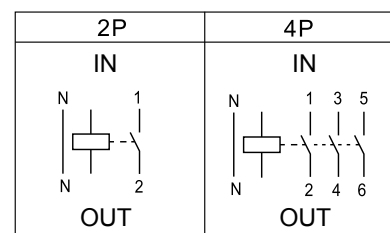
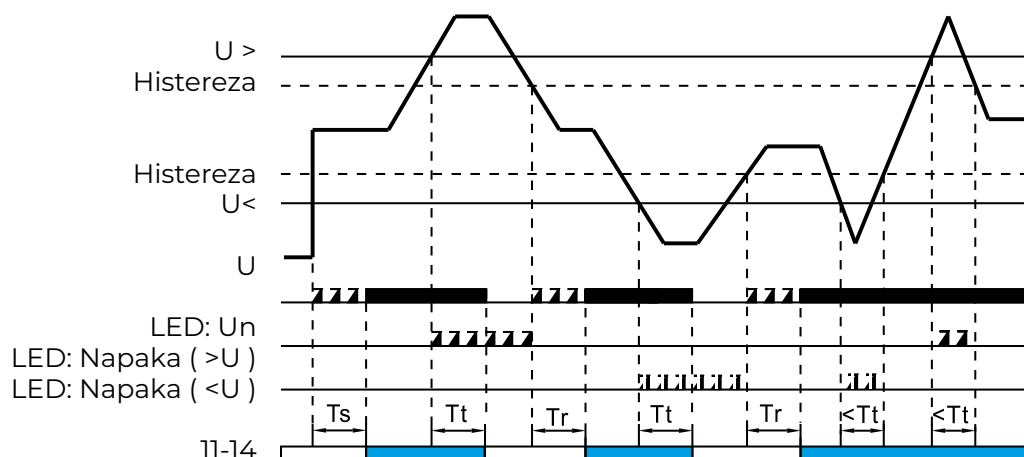


EVOUO2

EVOUO4



- Zaščita pred pre- in podnapetostjo.
- Naprava odklopi ščiteni tokokrog iz omrežja, v kolikor je nivo napetosti izven opazovanih meja.
- Po povrnitvi napetosti znotraj opazovanih meja, naprava po preteku 30 s ponovno vklopi ščiteni tokokrog.
- Delovanje naprave signalizirajo LED.



Ts: Čas delovanja

Tt: Zakasnitev izklopa

Tr: Čas reseta



SE UNIČI



SE POKVARI



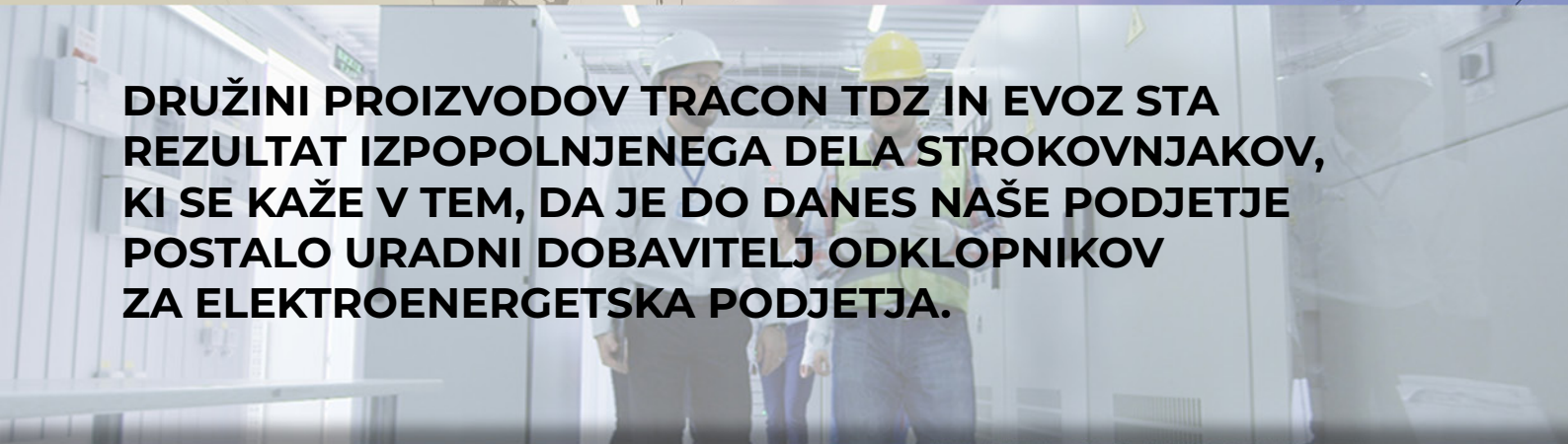
NEHA DELOVATI



ČAS JE ZA SPREMEMBE.



**TRACON ODKLOPNIKI
ENKRAT ZA VSELEJ!**

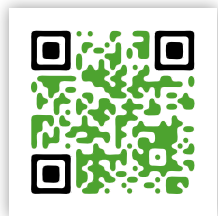


**DRUŽINI PROIZVODOV TRACON TDZ IN EVOZ STA
REZULTAT IZPOPOLNJENEGA DELA STROKOVNJAKOV,
KI SE KAŽE V TEM, DA JE DO DANES NAŠE PODJETJE
POSTALO URADNI DOBAVITELJ ODKLOPNIKOV
ZA ELEKTROENERGETSKA PODJETJA.**

**KAKOVOSTI NAŠIH PROIZVODOV ZAUPAMO
V TOLIKŠNI MERI, DA MED PRVIMI NA SVETU
DAJEMO DOŽIVLJENJSKO GARANCIJO
ZA NAŠE ODKLOPNIKE.**



ZAUPAJTE TUDI VI 30-LETNIM IZKUŠNJAM!



Tracon Lendava d.o.o.

9220 Lendava, Industrijska 6

Tel : +386 – (0)2 – 600-16-07

tracon.lendava@tracon.si

www.si.traconelectric.com

Več informacij lahko dobite pri komercialistih.