

Wide-slot/web design for a wide range of wire bundle sizes

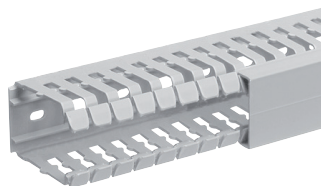
- Temperature range from -5 °C to +60 °C
- Flame-retardant according to UL94-V0, UL-recognized and CSA-certified
- EN50085-2-3-approved, VDE and CE marking
- slot 6 mm, web 6.5 mm

Colours:
Grey: RAL 7030

Material:
PVC rigid

Wiring duct length:
2 meters

Depth (mm)	Width (mm)	Area (mm ²)	1 mm ² H05V- U/K 6.157 mm ²	1.5 mm ² H07V- U/R 8,553 mm ²	2.5 mm ² H07V- U/R 11,946 mm ²	2.1 mm ² No 14 AWG 11 mm ²	3.3 mm ² No 12 AWG 14 mm ²	Pack Qty	Cat. ref.
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BA7A60040

Base and cover BA7A

25 x 25	220	14	10	7	8	6	50	BA7A25025
25 x 40	375	24	18	13	14	11	48	BA7A25040
25 x 80	642	42	30	21	23	18	24	BA7A25080
40 x 25	462	30	22	15	17	13	48	BA7A40025
40 x 30	535	35	25	18	19	15	40	BA7A40030
40 x 40	749	49	35	25	27	21	50	BA7A40040
40 x 60	1,155	75	54	39	42	33	40	BA7A40060
40 x 80	1,557	101	73	52	57	44	30	BA7A40080
40 x 100	1,956	127	91	65	71	56	20	BA7A40100
60 x 25	836	54	39	28	30	24	60	BA7A60025
60 x 30	1,060	69	50	35	39	30	48	BA7A60030
60 x 40	1,404	91	66	47	51	40	40	BA7A60040
60 x 60	2,184	142	102	73	79	62	24	BA7A60060
60 x 80	2,970	193	139	99	108	85	20	BA7A60080
60 x 100	3,746	243	175	125	136	107	16	BA7A60100
60 x 120	4,519	294	211	151	164	129	12	BA7A60120
80 x 25	1,202	78	56	40	44	34	20	BA7A80025
80 x 30	1,533	100	72	51	56	44	24	BA7A80030
80 x 40	2,071	135	97	69	75	59	20	BA7A80040
80 x 60	3,243	211	152	109	118	93	20	BA7A80060
80 x 80	4,412	287	206	148	160	126	12	BA7A80080
80 x 100	5,577	362	261	187	203	159	12	BA7A80100
80 x 120	6,737	438	315	226	245	192	16	BA7A80120
100 x 30	1,875	122	88	63	68	54	48	BA7A100030
100 x 40	2,663	173	125	89	97	76	40	BA7A100040
100 x 60	4,239	275	198	142	154	121	16	BA7A100060
100 x 80	5,815	378	272	195	211	166	16	BA7A100080
100 x 100	7,391	480	346	247	269	211	12	BA7A100100

Wiring duct	Duct height mm	Duct width mm	Inner cross-section mm ²	Max. wiring capacity - fill level 0.4					
				H05 - U/K	H07 - U/R			No 14 - AWG	
				Ø 1 mm ²	Ø 1.5 mm ²	Ø 2.5 mm ²	Ø 2.1 mm ²	Ø 3.3 mm ²	
BA7A25025	25	25	220	14	10	7	8	6	
BA7A / BA7B / B7A 25040	25	40	375	24	18	13	14	11	
BA7A / BA7B / B7A 25080	40	80	642	42	30	21	23	18	
BA7A40025	40	25	462	30	22	15	17	13	
BA7A / BA7B / B7A 40030	40	30	535	35	25	18	19	15	
BA7A / BA7B / B7A 40040	40	40	749	49	35	25	27	21	
BA7A / BA7B / B7A 40060	40	60	1,155	75	54	39	42	33	
BA7A / BA7B / B7A 40080	40	80	1,557	101	73	52	57	44	
BA7A / BA7B / 40100	40	100	1,956	127	91	65	71	56	
BA7A60025	60	25	836	54	39	28	30	24	
BA7A / BA7B / B7A 60030	60	30	1,060	69	50	35	39	30	
BA7A / BA7B / B7A 60040	60	40	1,404	91	66	47	51	40	
BA7A / BA7B / B7A 60060	60	60	2,184	142	102	73	79	62	
BA7A / BA7B / B7A 60080	60	80	2,970	193	139	99	108	85	
BA7A / BA7B / 60100	60	100	3,746	243	175	125	136	107	
BA7A / BA7B / B7A 60120	60	120	4,519	294	211	151	164	129	
BA7A80025	80	25	1,202	78	56	40	44	34	
BA7A / BA7B / B7A 80030	80	30	1,533	100	72	51	56	44	
BA7A / BA7B / B7A 80040	80	40	2,071	135	97	69	75	59	
BA7A / BA7B / B7A 80060	80	60	3,243	211	152	109	118	93	
BA7A / BA7B / B7A 80080	80	80	4,412	287	206	148	160	126	
BA7A / BA7B / 80100	80	100	5,577	362	261	187	203	159	
BA7A / BA7B / B7A 80120	80	120	6,737	438	315	226	245	192	
BA7A / BA7B / B7A 100030	100	30	1,875	122	88	63	68	54	
BA7A / BA7B / B7A 100040	100	40	2,663	173	125	89	97	76	
BA7A / BA7B / B7A 100060	100	60	4,239	275	198	142	154	121	
BA7A / BA7B / B7A 100080	100	80	5,815	378	272	195	211	166	
BA7A / BA7B / 100100	100	100	7,391	480	346	247	269	211	

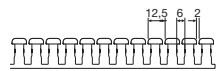
tehalit.HA7, wiring duct dimensions

Wiring duct	Duct height mm	Duct width mm	Inner cross-section mm ²	Max. wiring capacity - fill level 0.4		
				H05 - U/K	H07 - U/R	
				Ø 1 mm ²	Ø 1.5 mm ²	Ø 2.5 mm ²
HA7 25025	25	25	220	14	10	7
HA7 25040	25	40	375	24	18	13
HA7 40025	40	25	462	30	22	15
HA7 40040	40	40	749	49	35	25
HA7 40060	40	60	1,155	75	54	39
HA7 40080	40	80	1,557	101	73	52
HA7 40100	40	100	1,956	127	91	65
HA7 60025	60	25	836	54	39	28
HA7 60040	60	40	1,404	91	66	47
HA7 60060	60	60	2,184	142	102	73
HA7 60080	60	80	2,970	193	139	99
HA7 60100	60	100	3,746	243	175	125
HA7 60120	60	120	4,519	294	211	151
HA7 80025	80	25	1,202	78	56	40
HA7 80040	80	40	2,071	135	97	69
HA7 80060	80	60	3,243	211	152	109
HA7 80080	80	80	4,412	287	206	148
HA7 80100	80	100	5,577	362	261	187
HA7 80120	80	120	6,737	438	315	226
HA7 100060	100	60	4,239	275	198	142
HA7 100080	100	80	5,815	378	272	195
HA7 100100	100	100	7,391	480	346	247

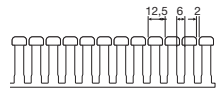
tehalit.VK-flex, wiring duct dimensions

Wiring duct	Duct height mm	Duct width mm	Duct length mm	Area mm ²	Max. wiring capacity		
					H05 - U/K	H07 - U/R	
					Ø 1 mm ²	Ø 1.5 mm ²	Ø 2.5 mm ²
M5690/L2212	15	11	250	100	10	8	5
M5691/L2222	22	24	500	154	20	18	13
M5692/L2232	31	33	500	379	57	46	30
M5693/L2242	41	44	500	620	101	81	53

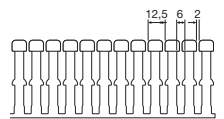
BA7A | HA7
lateral punched openings



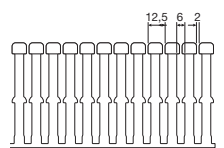
for duct height 25 mm



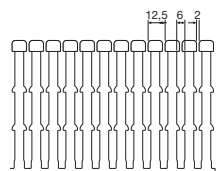
for duct height 40 mm



for duct height 60 mm

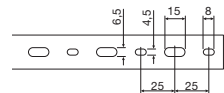


for duct height 80 mm

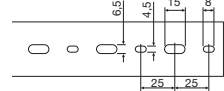


for duct height 100 mm

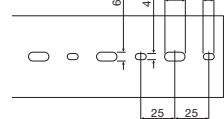
BA7A | BA7B | B7A | HA7
bottom holes EN50085



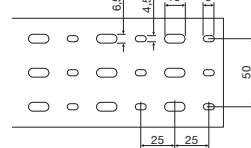
for duct width 25 mm



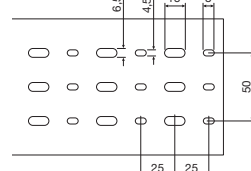
for duct width 40 mm



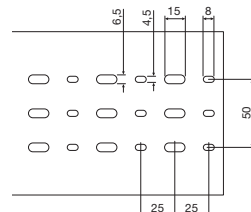
for duct width 60 mm



for duct width 80 mm

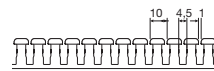


for duct width 100 mm

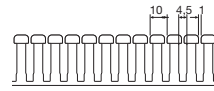


for duct width 120 mm

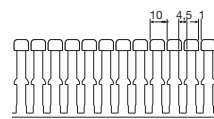
BA7B
lateral punched openings



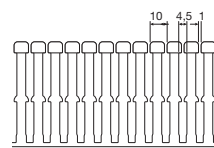
for duct height 25 mm



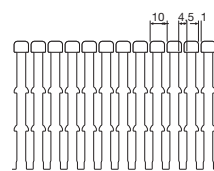
for duct height 40 mm



for duct height 60 mm

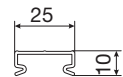


for duct height 80 mm

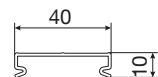


for duct height 100 mm

Cover BA7
for duct height 25 mm

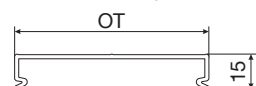


BA70252K for BA7 25 x 25 mm



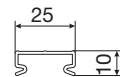
BA70402K for BA7 25 x 40 mm

Cover BA7
from duct height 40 mm

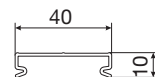


- BA70252 for duct BA7A, BA7B, B7A, width 25 mm
- BA70402 for duct BA7A, BA7B, B7A, width 40 mm
- BA70602 for duct BA7A, BA7B, B7A, width 60 mm
- BA70802 for duct BA7A, BA7B, B7A, width 80 mm
- BA71002 for duct BA7A, BA7B, B7A, width 100 mm
- BA71202 for duct BA7A, BA7B, B7A, width 120 mm

Cover HA7
for duct height 25 mm

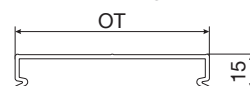


HA70252K for HA7 25 x 25 mm



HA70402K for HA7 25 x 40 mm

Cover HA7
from duct height 40 mm



- HA70252 for duct HA7 width 25 mm
- HA70402 for duct HA7 width 40 mm
- HA70602 for duct HA7 width 60 mm
- HA70802 for duct HA7 width 80 mm
- HA71002 for duct HA7 width 100 mm
- HA71202 for duct HA7 width 120 mm

Materials

Rigid polyvinyl chloride PVC: BA7A, BA7B, B7A

- General-purpose material for use in indoor applications
- Flammability rating UL94-V0
- UL-recognized for continuous use at temperatures up to 50 °C

Halogen-free PC-ABS: HA7



- For use in halogen-free or high temperature applications
- Flammability rating UL94-V0
- UL-recognized for continuous use at temperatures up to 65°C

Caution: Do not use any cleaning solvents and cutting fluids containing oil or grease as these may cause stress cracking in the material.

Polyamide (PA): VK-flex

- For wiring to cabinet doors, from control panels and for electrical equipment
- Flammability rating UL94-V0
- UL-recognized for continuous use at temperatures up to 65°C

		Material:		
		PVC	PC/ABS	Polyamide
Mechanical properties	Tensile strength	30 N/mm ²	69 N/mm ²	60 N/mm ²
	pact resistance	4 KJ/m ²	40 KJ/m ²	5 KJ/m ²
Thermal properties	Flammability	low inflammability	UL94 - VO self-extinguishing	UL 94- V1 self-extinguishing
	Temperature resistance	-5 °C to 60 °C	-25 °C to 90 °C	-25 °C to 90 °C
	Dimensional stability acc. to Martens	up to 65 °C acc. to DIN 53458		
Electrical properties	Dielectric strength	> 35 kV/mm	> 21 kV/mm	> 35 kV/mm
	Surface resistance	> 10 ¹¹ Ω	> 10 ¹⁵ Ω	> 10 ¹¹ Ω
	Specific resistance	> 10 ¹⁷ Ω/cm		> 10 ¹⁷ Ω/cm
	Dielectric number		≈ 2.7	≈ 2.7

Marking	Agency	Complies with	Requirements	Applicable products
	Underwriters Laboratories, Inc.	File No. 48414	UL1565	BA7A, BA7B, HA7, VK-Flex
	Canadian Standards Association	File No. LR22009	CSA C22.2 No.18.5. „Positioning Devices“	BA7A, BA7B, HA7, VK-Flex
	Verband Der Elektrotechnik (German Association for Electrical, Electronic & Information Technologies)	EN50085-2-3	Cable trunking and cable ducting systems for electrical installations	BA7A, BA7B, HA7
	Conformité Européenne	Low Voltage Directive 2006/95/EEC	EN50085	BA7A, BA7B, HA7
	DIN Deutsches Institut für Normung (German Institute for Standardization)	DIN 43659	This European standard specifies dimensions for slotted wiring ducts installed in electrical switchgear assemblies, including: - channel mounting hole pattern - slot dimensions - hole pitch and location - distance from first to last like-size mounting hole - minimum overall trunking length	BA7A, BA7B, HA7
	EN European Fire Test to railway components	EN 45545-2	Fire Test to railway components Requirement for fire behaviour of materials and components	HA7