Control Cabinet Single Cores Halogen-free

H05Z-K, H07Z-K 90°C







- Halogen-free
- Harmonised (HAR)

Benefits

- The insulation material is halogen-free and free of other materials which could release corrosive gases in the event of fire
- Protection of human life and the environment caused by the formation of acid in case of fire

Application range

- · For wiring of lamps, devices, switchgear cabinets and distribution boxes
- For installation in tubes, on, in and under plaster as well as in closed installation ducts
- . In buildings with a high concentration of people or valuables
- For use in dry rooms

Product features

H05Z-K, H07Z-K 90°C

- Flame-retardant acc. to IEC 60332-2-2 (H05Z-K)
- Flame-retardant acc. to IEC 60332-1-2 (H07Z-K)
- · Low corrosivity of the gases in case of fire
- Low smokes

H05Z-K, H07Z-K 110°C

- Flame-retardant acc. to IEC 60332-1-2
- No flame propagation acc. to IEC 60332-3-24
- Low corrosivity of the gases in case of fire
- Low smokes

■ Technical data



Approvals VDE 0282 part 9 / HD 22.9 S3



VDE 0295 CI.5/ IEC 60228 CI. 5



H07Z-K: U₀/U: 450/750V



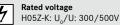
Range of temperature

H05Z-K, H07Z-K 90°C fixed installation: -15°C to +90°C

H05Z-K, H07Z-K 110°C







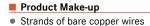
Test voltage





fixed installation: -40°C to +110°C

CE < HAR > RoHS ✓



Approvals (Norm references)

· Halogen-free core insulation









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Part number	Conductor cross-section in mm ²	Outer diameter in mm approx.	m/Coil	Copper index kg/km	Weight kg/km approx.
H05Z-K 90°C					
47251	0.5	2.1	100	4.8	9.0
47252	0.75	2.3	100	7.2	11.0
47253	1	2.5	100	9.6	14.0
H07Z-K 90°C					
47261	1.5	3.2	100	14.4	20.0
47262	2.5	3.7	100	24.0	32.0
47263	4	4.2	100	38.4	45.0
47264	6	4.9	100	58.0	65.0
47265	10	6.2	100	96.0	110.0
47266	16	7.5	100	154.0	170.0
47267	25	9.3	100	240.0	270.0
47268	35	10.5	50	336.0	380.0
47269	50	12.6	50	480.0	530.0
47271	70	14.5		672.0	750.0
47272	95	16.9		912.0	1,000.0
	ne-way cardboards				
47251K	0.5	2.1		4.8	9.0
47252K	0.75	2.3		7.2	11.0
47253K	1	2.5		9.6	14.0
	ne-way cardboards				
47261K	1.5	3.2		14.4	20.0
47262K	2.5	3.7		24.0	32.0
47263K	4	4.2		38.0	45.0
47264K	6	4.9		58.0	65.0
H05Z-K 110°C					
47101	0.5	1.9	100	4.8	9.0
47102	0.75	2.4	100	7.2	11.0
47103	1	2.6	100	9.6	14.0
H07Z-K 110°C					
47201	1.5	3.5	100	14.4	20.0
47202	2.5	3.8	100	24.0	30.0
47203	4	4.4	100	38.4	45.0
47204	6	5.4	100	58.0	65.0
47205	10	6.5	100	96.0	110.0
47206	16	8.4	100	154.0	170.0
47207	25	10.2	100	240.0	290.0
47208	35	11.6	50	336.0	400.0
47209	50	13.7	50	480.0	550.0
47211	70	15.8		672.0	770.0
47212	95	18.2		912.0	1,010.0

Copper price basis: EUR 150 / 100 kg

Packaging size: Coil ≤ 30 kg, otherwise drum

Please complete the part number with the following colour code: 00=GREEN/YELLOW; 01=BLACK; 02=BLUE (approx. RAL 5015); 03=BROWN; 04=RED; 05=WHITE; 06=GREY; 07=PURPLE; 08=PINK; 09=OR-ANGE; 11=YELLOW (up from 1,5mm² without HAR); 12=GREEN (up from 1,5mm² without HAR); 14=DARKBLUE (approx. RAL 5010)
A few partnumber-combinations are not yet included into our assortment. For valid combinations pls. see our Index of Partnumbers.





