product data sheet

item no. 00.770.0323.7

flat cable 5G2,5+2x1,5 HF SC

gesis® NRG BASIC+KNX flat cable; mains 5G2.5; 20 A; 0.6/1 kV; bus 2X1.5; 3 A; 50 V; shielded; halogen free fire class: B2ca s1a d1 a1; color: green.



item no.	00.770.0323.7
EAN	4049088462757
order unit	1 piece(s)

certificates / approvals

technical data

general

rated voltage	600 V / 1.000 V
rated current	20 A
mechanical coding	yes

technical data

nominal cross section conductor	2.5 mm²
nominal voltage UN	1 kV
nominal voltage U0	600 V
bending radius, static	100 mm
fire class	B2ca s1a d1 a1
conductor category	class 5 = flexible
number of cores	7
core insulation	PE
yellow/green conductor	yes
screen	yes
material outer sheath	polyolefin
color outer sheath	green
flame retardant	according to DIN 60332-1-2
halogen free (according to EN 60754-12)	yes
cable width approx.	36.9 mm
cable height approx.	6.3 mm
ambient temperature min.	-25 °C
ambient temperature max.	90 °C
nominal voltage U0	600 V
nominal voltage U	1 kV
nominal cross section	1.5 mm²

model

nominal cross section conductor	2.5 mm²

material

halogen free	yes
fire load	1.635 kWh/m

accessories

item no.	type	description
F0.000.0051.9	cutting tool podis/gesis	Cutter for podis and gesis cables up to 5G16 (AWG 5C6), blade length 40 mm
05.562.3000.0	cable clip Befestigungsschelle	Cable clip for flat cable

assembly

item no.	type	description
93.422.0553.1	connector BST14I2F S1 ZR1 S MGN01	gesis® NV connector, number of poles 2, male, connection type spring clamp connection, rated voltage 50 V, rated current 3 A, cable diameter 5.5 - 6.5 mm, color of coding/ contact carrier green
92.050.1553.1	flat cable adapter GST18I5A S1 F7 SW	gesis® NRG mains feed-in for flat cable; colour: black; 250/400 V; 20 A; IP40; integrated strain-relief to feed-in with round cables, diameter: 12 to 16 mm, cross-section fine-stranded: 2,5 bis 4 mm², solid: 2,5-6 mm²; Piercing-contact screws with Torx-head; for gesis® NRG flat cable 5G2,5, 5G4, 5G2,5+2x1,5 and 5G4+2x1,5
92.031.5453.1	flat cable adapter GST18I3I B1H F7V SW	gesis® NRG flat cable adapter to GST18i3; Code 1 mains; colour of coding: black; pre-selection of L1 or L2 or L3; 250 V; 20 A; IP20; pluggable output parallel to flat cable; piercing-contact screws with Torx-head; for gesis® NRG flat cable 5G2,5, 5G4, 5G2,5+2x1,5 and 5G4+2x1,5
92.051.5453.1	flat cable adapter GST18I5I B1H F7V SW	gesis® NRG flat cable adapter to GST18i5; Code 1 mains; colour of coding: black; 250/400 V; 20 A; pluggable output parallel to flat cable; piercing-contact screws with Torx-head; for gesis® NRG flatcable 5G2,5, 5G4, 5G2,5+2x1,5 und 5G4+2x1,5
93.420.5453.0	flat cable adapter BST14I2A SI	gesis® NRG bus feed-in for flat cable; colour: black; 50 V; 3 A; IP20; integrated strain-relief to feed-in with round cables; diameter: 5,9 to 7,5 mm; cross-section 0,5 to 1,5 mm²; piercing-contact screws with Torx-head; for gesis® NRG flat cable 5G2,5+2x1,5 and 5G4+2x1,5 with shielded bus.
93.421.5453.0	flat cable adapter BST14I2I B1HZB GN01	gesis® NRG flat cable adapter BST14i2; color of coding: green; 50 V; 3 A; IP20; tap off of the SELV signal of the combined flat cable BASIC+KNX with shielded bus; pluggable output parallel to flat cable; piercing-contact screws with Torx-head; no shield contacting; for gesis® NRG flat cable 5G2,5+2x1,5 and 5G4+2x1,5 with shielded bus.
06.562.4353.0	end cap GESIS NRG 5+2	gesis® NRG end cap; for flat cable 5G2,5/4+2X1,5 Basic + KNX and Basic + Signal; IP40; rated voltage 50 V; can be assembled after cable is cut with special cutting tool; colour: natural coloured