

# Operator Solutions for Industrial Doors

Version EN\_2023\_04

Valid from 2023-04-19



# Elektrische accessoires

## Kabelsets

### Groote eindschakelaar



**G1 (Standaard)** - STA, KD 05, MDF 05, MTZ 05, FDO, FTA, MWF 05



**G1F (vlak)** - STA, KD 05, MDF 05, MTZ 05, FDO



**G2** - MDF 20 tot MDF 70, KD 20 tot KD 70, MTZ 20 tot MTZ 70, FDF 20 tot FDF 70, MWF 20, MWF 30

### Eindschakelaar

Absolutwertgeber (AWG) Mechanische eindschakelaars (MEC)

- MS\_S = Microschakelaar met platte stekkerdoos
- MS\_P = Microschakelaar op printplaat

Maximale stroombelastbaarheid

Besturingstype

**G1 - CS - AWG - BR - CS320 - 10 A**

### Besturing behuizing

**CS:** CS-behuizing (met insteekschroefdraadbussen)  
**SH:** Stalen kast (met metrisch schroefverbindingen)  
**UNI:** Universeel (zonder schroefaansluiting)

### Remaansturing

#### Extern gestuurde remmen:

Bouwgrootte 1 (2 Nm), Bouwgrootte 2 (4 Nm/7,5 Nm/10 Nm/20 Nm/40 Nm) Zonder frequentieomvormer = 2 extra draden, met frequentieomvormer = 4 extra draden

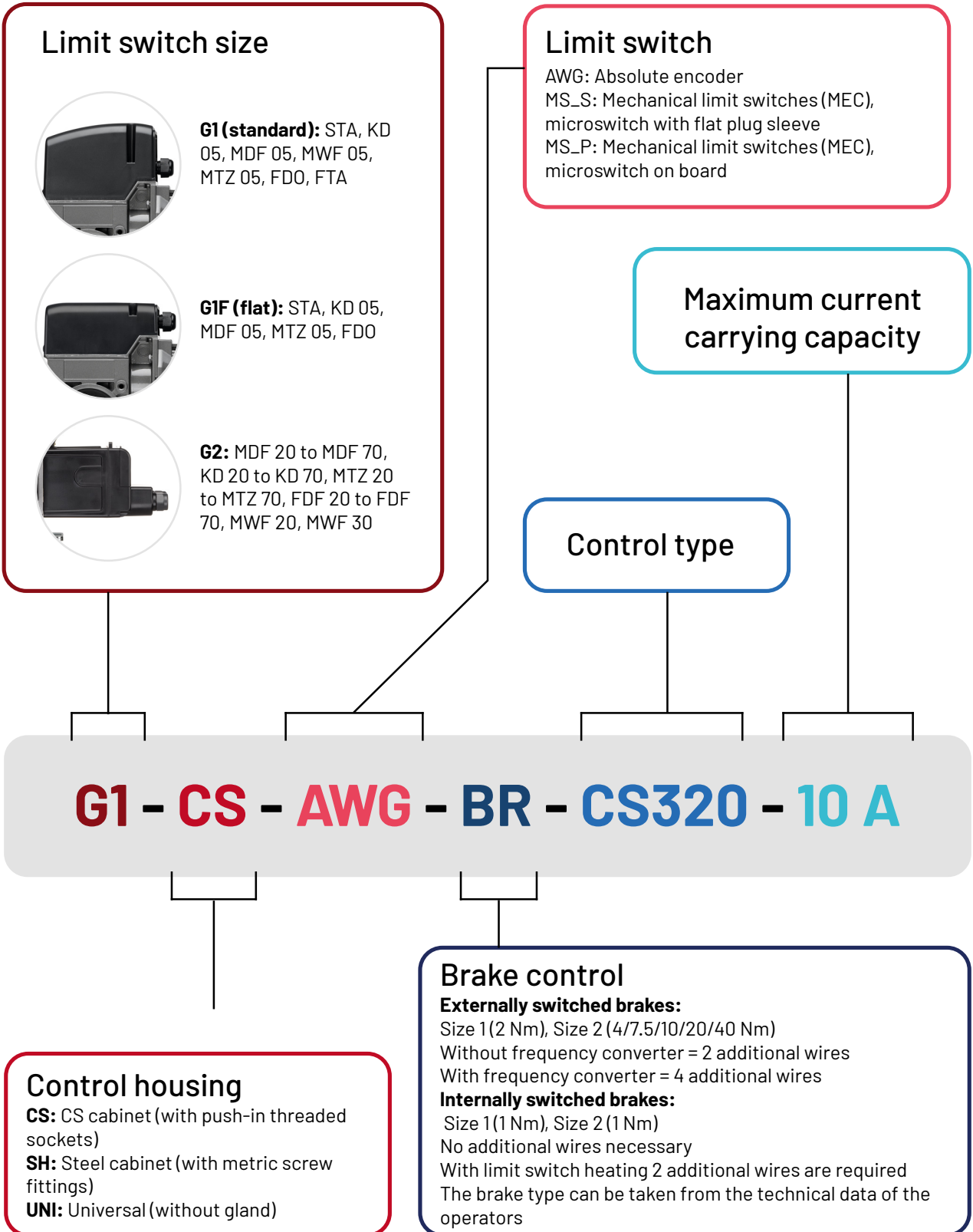
#### Intern gestuurde remmen:

Grootte 1 (1 Nm), Grootte 2 (1 Nm)  
Geen extra draden nodig

Voor eindschakelaarverwarming zijn 2 extra draden nodig.  
**Het remtype vindt u in de technische gegevens van de aandrijvingen.**

# Cable Sets

## Cable Sets



# Elektrisches Zubehör

## Kabelsätze

### Endschalterbaugröße



**G1 (Standard)** – STA,  
KD 05, MDF 05, MTZ  
05, FDO, FTA, MWF 05



**G1F (flach)** – STA,  
KD 05, MDF 05,  
MTZ 05, FDO



**G2** – MDF 20 bis MDF 70,  
KD 20 bis KD 70, MTZ 20  
bis MTZ 70, FDF 20 bis  
FDF 70, MWF 20, MWF 30

### Endschalter

Absolutwertgeber (AWG)

Mechanische Endschalter (MEC)

- MS\_S = Mikroschalter mit Flachsteckhülse
- MS\_P = Mikroschalter auf Platine

Maximale  
Strombelastbarkeit

Steuerungstyp

**G1 - CS - AWG - BR - CS320 - 10 A**

### Steuerungsgehäuse

**CS:** CS-Gehäuse (mit  
Einsteckgewindemuffen)  
**SH:** Stahlschrank (mit metrischen  
Verschraubungen)  
**UNI:** Universell (ohne Verschraubung)

### Bremsansteuerung

**Extern geschaltete Bremsen:**

Größe 1 (2 Nm), Größe 2 (4 Nm/7,5 Nm/10 Nm/20 Nm/40 Nm)  
Ohne Frequenzumrichter = 2 zusätzliche Adern,  
mit Frequenzumrichter = 4 zusätzliche Adern

**Intern geschaltete Bremsen:**

Größe 1 (1 Nm), Größe 2 (1 Nm)  
Keine zusätzlichen Adern nötig

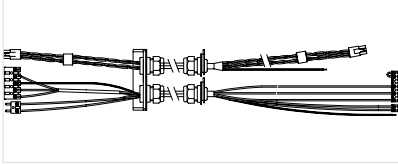
Bei Endschalterheizung werden 2 zusätzliche Adern benötigt.

**Der Bremstyp kann den technischen Daten der Antriebe entnommen werden.**

# Cable Sets



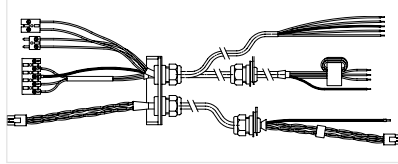
## Kabel Sets G1 (standard)



### G1-CS-AWG-BR-CS320-10A

Cable set suitable for G1S, absolute encoder, CS housing, brake, optional heating, CS 320, current consumption < 10 A

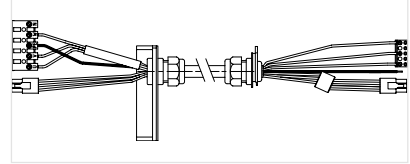
Cable length [m]	Item no.	Price
1	149547	
3	145140	
5	144387	
7	143469	
9	144388	
11	122676	
13	144568	
15	145731	



### G1-CS-AWG-BR-CS320FUE-16A

Cable set suitable for G1S, absolute encoder, CS housing, brake, CS 320 FU-E, current consumption < 16 A

Cable length [m]	Item no.	Price
1	150491	
3	148508	
5	150788	
7	150787	
9	148659	
11	149467	
13	148500	
15	150272	



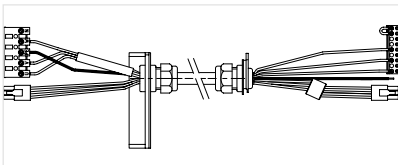
### G1-CS-AWG-CS255-10A

Cable set suitable for G1S, absolute encoder, CS housing, CS 255, current consumption < 10 A

Cable length [m]	Item no.	Price
5	150639	
7	150640	
11	150642	
13	167208	



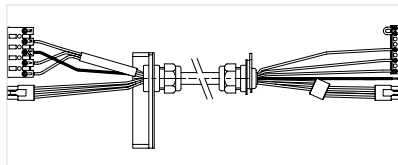
## Kabel Sets G1 (standard)



### G1-CS-AWG-CS320-10A

Cable set suitable for G1S, absolute encoder, CS housing, CS 320, current consumption < 10 A

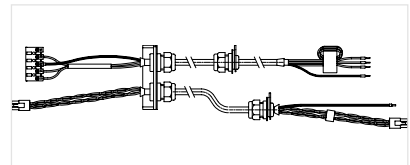
Cable length [m]	Item no.	Price
1	100222	
3	92306	
5	92307	
7	92308	
9	92310	
11	92311	
13	92312	
15	120804	



### G1-CS-AWG-CS320-HF-10A

Cable set suitable for G1S, absolute encoder, CS housing, CS 320, current consumption < 10 A, halogen-free

Cable length [m]	Item no.	Price
1	177297	



### G1-CS-AWG-CS320FUE-16A

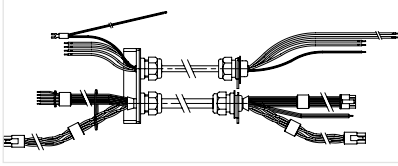
Cable set suitable for G1S, absolute encoder, CS housing, CS 320 FU-E, current consumption < 16 A

Cable length [m]	Item no.	Price
3	151348	
7	151351	
9	151532	
11	158340	
13	179116	
15	177453	

# Cable Sets



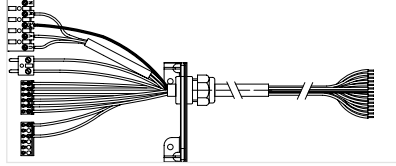
## Kabel Sets G1 (standard)



### G1-CS-AWG-CS320FUI-16A

Cable set suitable for G1S, absolute encoder, CS housing, CS 320 FU-I, current consumption < 16 A

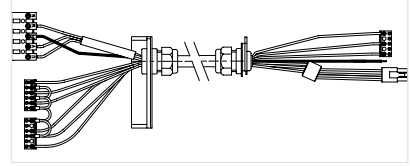
Cable length [m]	Item no.	Price
1	159711	
3	148418	
5	115907	
7	115908	
9	148420	
11	115909	
13	122435	
15	150319	



### G1-UNI-MS\_P-BR-UNI-10A

Cable set suitable for G1S, mechanical limit switches, brake, universally usable for all controls, current consumption < 10 A

Cable length [m]	Item no.	Price
1	146157	
3	146158	
5	146159	
7	146160	



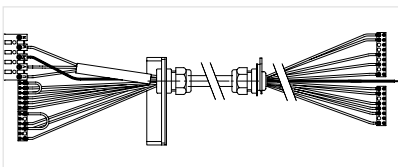
### G1-CS-MS\_P-CS255-10A

Cable set suitable for G1S, mechanical limit switches, CS housing, CS 255, current consumption < 10 A

Cable length [m]	Item no.	Price
5	151905	



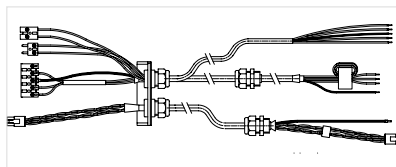
## Kabel Sets G1 (standard)



### G1-CS-MS\_P-CS320-10A

Cable set suitable for G1S, mechanical limit switches, CS housing, CS 320, current consumption < 10 A

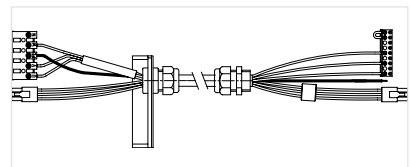
Cable length [m]	Item no.	Price
1	155912	
3	155913	
5	120177	
7	121686	
9	155914	
11	155915	
13	121687	
15	155916	



### G1-SH-AWG-BR-CS320FUE-16A

Cable set suitable for G1S, absolute encoder, steel cabinet, brake, CS 320 FU-E, current consumption < 16 A

Cable length [m]	Item no.	Price
1	166944	



### G1-SH-AWG-CS320-10A

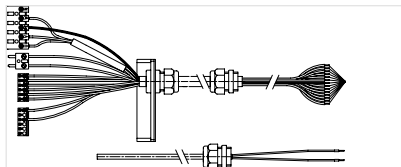
Cable set suitable for G1S, absolute encoder, steel cabinet, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
3	150061	
5	149296	
7	157954	
9	157955	
13	151530	

# Cable Sets



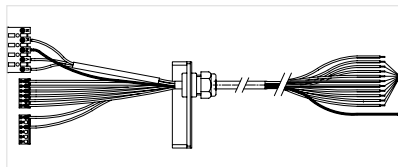
## Kabel Sets G1 (standard)



### G1-SH-MS\_P-BR-FS345-10A

Cable set suitable for G1S, mechanical limit switches, steel cabinet, brake, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
1	143343	
3	157870	
5	157869	
7	157871	
9	157872	



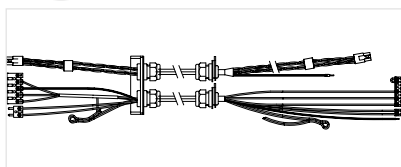
### G1-UNI-MS\_P-UNI-10A

Cable set suitable for G1S, mechanical limit switches, universally usable for all control systems, current consumption < 10 A

Cable length [m]	Item no.	Price
1	146023	
3	146022	
5	146024	
7	114404	
9	146025	
11	146026	
13	114405	



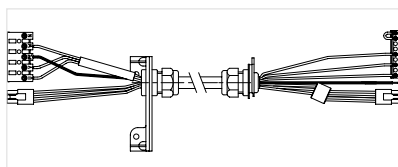
## Cable Sets G1F (flat)



### G1F-CS-AWG-BR-CS320-10A

Cable set suitable for G1F, absolute encoder, CS housing, brake, optional heating, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
3	149227	
5	149228	
7	149229	
9	149230	
11	149231	



### G1F-CS-AWG-CS320-10A

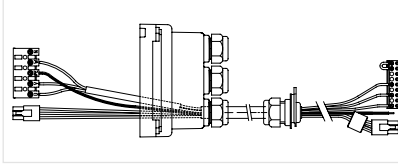
Cable set suitable for G1F, absolute encoder, CS housing, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
3	145660	
5	145661	
7	146837	
9	148609	
11	148610	
13	148697	
15	148931	

# Cable Sets



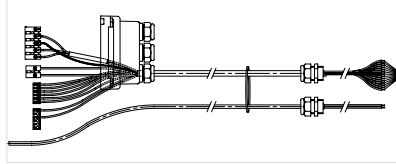
## Cabel Sets G2



### G2-CS-AWG-CS320-10A

Cable set suitable for G2, absolute encoder, CS housing, CS 320, current consumption < 10 A

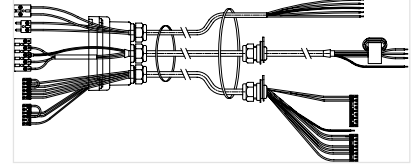
Cable length [m]	Item no.	Price
1	146608	
3	98786	
5	98787	
7	98788	
9	98789	
11	105183	
13	105184	
15	145049	
17	145142	
19	144981	
21	150270	
23	145051	
25	146524	



### G2-SH-MS\_P-FS345-10A

Cable set suitable for G2, mechanical limit switches, steel cabinet, brake, FS 345, current consumption < 10 A

Cable length [m]	Item no.	Price
3	144863	
5	144864	
7	144887	
9	144888	
11	146649	
13	146516	
15	146250	



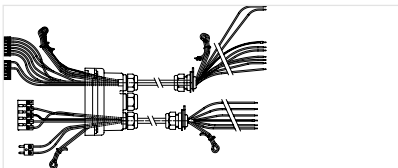
### G2-CS-MS\_P-BR-CS320FUE-16A

Cable set suitable for G2, mechanical limit switches, CS housing, brake, CS 320 FU-E, current consumption < 16 A

Cable length [m]	Item no.	Price
3	167397	
5	162122	
7	167855	



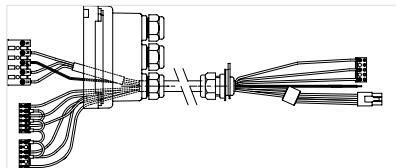
## Cabel Sets G2



### G2-UNI-MS\_P-BR\_HEIZ-UNI-16A

Cable set suitable for G2, mechanical limit switches, CS housing, brake, optional heating, universally usable for all control systems, current consumption < 16 A

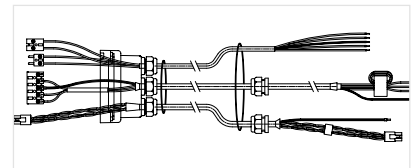
Cable length [m]	Item no.	Price
5	145717	
7	145718	
9	146480	
11	145719	
15	157948	



### G2-CS-MS\_P-CS255-10A

Cable set suitable for G2, mechanical limit switches, CS housing, CS 255, current consumption < 10 A

Cable length [m]	Item no.	Price
1	144840	
5	140145	
15	177298	
21	147537	



### G2-SH-AWG-BR-CS320FUE-16A

Cable set suitable for G2, absolute encoder, steel cabinet, brake, CS 320 FU-E, current consumption < 16 A

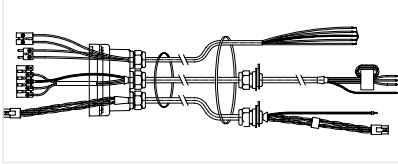
Cable length [m]	Item no.	Price
3	150244	
5	149402	
7	149403	
9	149404	
11	150954	
13	150105	
15	150106	



# Cable Sets



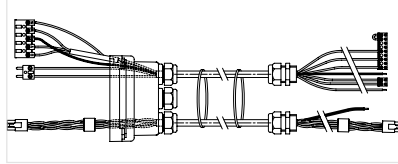
## Cabel Sets G2



### G2-CS-AWG-BR-CS320FUE-16A

Cable set suitable for G2, absolute encoder, CS housing, brake, CS 320 FU-E, current consumption < 16 A

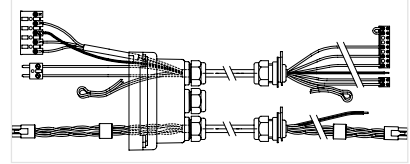
Cable length [m]	Item no.	Price
1	144397	
3	144860	
5	144392	
7	105280	
9	145421	
11	144828	
13	145621	
15	145138	



### G2-SH-AWG-BR-CS320-10A

Cable set suitable for G2, absolute encoder, steel cabinet, brake, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
3	147491	
5	148495	
7	147490	
9	149024	
13	148496	
15	149023	



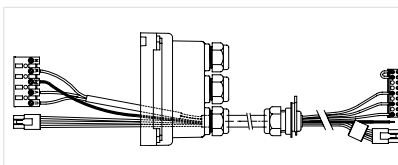
### G2-CS-AWG-BR-CS320-10A

Cable set suitable for G2, absolute encoder, CS housing, brake, optional heating, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
1	150190	
3	100068	
5	100069	
7	100070	
9	101674	
11	105185	
13	105186	
15	120205	
17	145131	
19	145132	
21	121267	
25	121268	



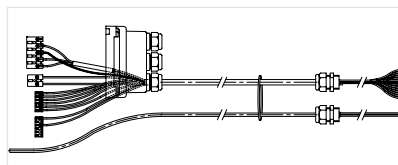
## Cabel Sets G2



### G2-CS-AWG-CS320-HF-10A

Cable set suitable for G2, absolute encoder, CS housing, CS 320, current consumption < 10 A, halogen-free

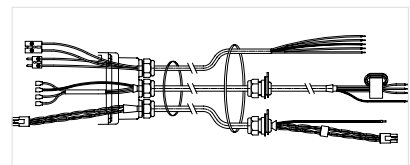
Cable length [m]	Item no.	Price
3	179232	
5	164284	



### G2-SH-MS\_P-FS345/FDF60-10A

Cable set suitable for G2, mechanical limit switches, steel cabinet, brake, FS 345/FDF 60, current consumption < 10 A

Cable length [m]	Item no.	Price
3	147047	
5	147046	
7	147035	
9	147036	
11	147037	
13	147318	



### G2-SH-AWG-BR-CS320FUE-25A

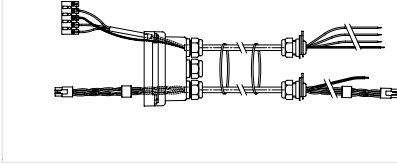
Cable set suitable for G2, absolute encoder, steel cabinet, brake, CS 320 FU-E, current consumption < 25 A

Cable length [m]	Item no.	Price
5	164133	
7	164134	
9	164135	

# Cable Sets



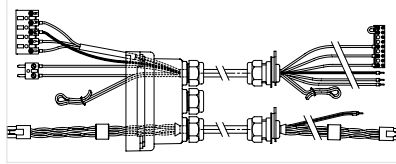
## Cabel Sets G2



### G2-CS-AWG-CS320-16A

Cable set suitable for G2, absolute encoder, CS housing, CS 320, current consumption < 16 A

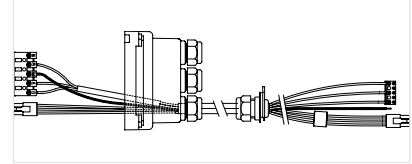
Cable length [m]	Item no.	Price
5	145290	
7	145291	
9	145292	
11	147821	



### G2-CS-AWG-BR\_HEIZ-CS320-16A

Cable set suitable for G2, absolute encoder, CS housing, brake, optional heating, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
3	144868	
5	144582	
7	144583	
9	145202	
11	146703	
13	145306	
15	145881	
17	145977	
19	146462	
21	147606	
25	146841	



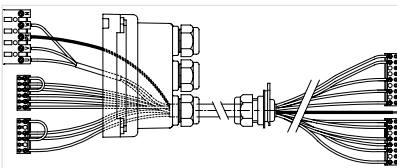
### G2-CS-AWG-CS255-10A

Cable set suitable for G2, absolute encoder, CS housing, CS 255, current consumption < 10 A

Cable length [m]	Item no.	Price
1	160172	
5	150766	



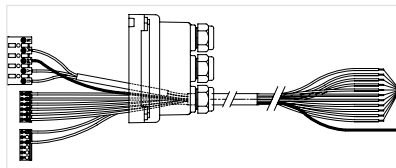
## Cabel Sets G2



### G2-CS-MS\_P-CS320-10A

Cable set suitable for G2, mechanical limit switches, CS housing, CS 320, current consumption < 10 A

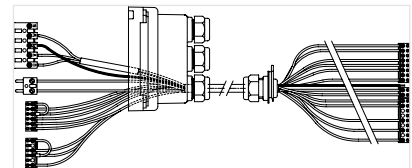
Cable length [m]	Item no.	Price
3	144788	
5	120178	
7	144789	
9	144790	
11	146017	
13	146018	



### G2-UNI-MS\_P-UNI-10A

Cable set suitable for G2, mechanical limit switches, universally usable for all control systems, current consumption < 10 A

Cable length [m]	Item no.	Price
3	144415	
5	144800	
7	144801	
9	144878	
11	144914	
13	144924	



### G2-CS-MS\_P-BR-CS320-10A

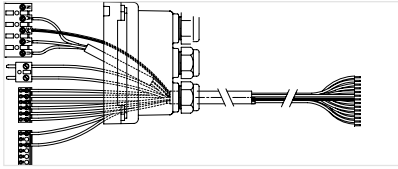
Cable set suitable for G2, mechanical limit switches, CS housing, brake, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
1	146788	
3	146019	
5	120179	
7	149621	
9	149622	
11	146020	
13	146021	

# Cable Sets



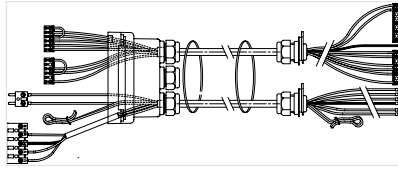
## Cabel Sets G2



### G2-UNI-MS\_P-BR-UNI-10A

Cable set suitable for G2, mechanical limit switches, brake, universally usable for all controls, current consumption < 10 A

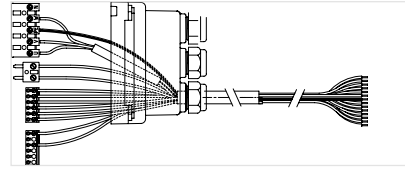
Cable length [m]	Item no.	Price
1	144853	
3	144854	
5	144855	
7	144816	
9	145048	
11	144979	
13	145213	
15	145962	



### G2-CS-MS\_P-BR-CS320-16A

Cable set suitable for G2, mechanical limit switches, CS housing, brake, optional heating, CS 320, current consumption < 16 A

Cable length [m]	Item no.	Price
1	146786	
5	144584	
7	144585	
11	145169	

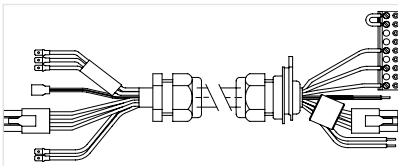


### G2-UNI-MS\_P-BR-UNI-16A

Cable set suitable for G2, mechanical limit switches, universally usable for all control systems, current consumption < 10 A, halogen-free

Cable length [m]	Item no.	Price
1	147472	
5	146414	
7	146415	
11	146416	

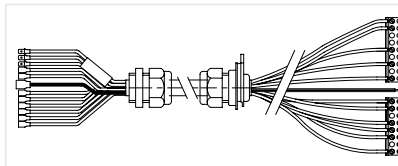
## Cable Sets for DF



### DF-CS-AWG-BR-CS320-10A

Cable set suitable for DF, absolute encoder, CS housing, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
1	163268	
3	155939	
5	155924	
7	120423	
9	155925	
11	155938	
13	155940	
15	155945	

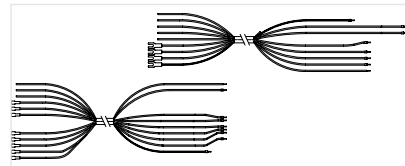


### DF-CS-MS\_S-CS320-10A

Cable set suitable for DF, mechanical limit switches, CS housing, CS 320, current consumption < 10 A

Cable length [m]	Item no.	Price
1	155922	
3	155923	
5	155926	
7	155927	
9	155928	
11	155929	

## Cable Set for FT



### FT-SH-MS\_S-BR-UNI-10A

Cable set suitable for FT, mechanical limit switches, brake, universally usable for all controls, current consumption < 10 A

Cable length [m]	Item no.	Price
3	143184	
5	143185	
11	177613	

**Marantec UK**

A Division of Link Controls  
Stuart Road, Manor Park  
WA7 1TS Runcorn, Cheshire  
Great Britain

Phone + 44 1928 579050  
Fax + 44 1928 579259

[info@marantec.co.uk](mailto:info@marantec.co.uk)  
[www.linkcontrols.co.uk](http://www.linkcontrols.co.uk)

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E-mail: [sales@marantec.com](mailto:sales@marantec.com)

