Selection guide for R35i

Order key

R35i-10000/4-6mm-LD/LD-5/0-1-R-C

- Flange/housing version
- Plug-in PCB connecting direction
- Reference mark
- Voltage supply
- Interface
- Shaft diameter
- Commutation
- Signal periods per revolution
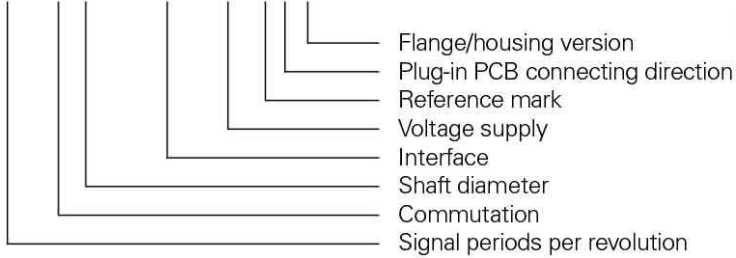
Note: Special versions are identified with an **-S** at the end of the ordering key. These encoders are configured for customer-specific applications, and are be used only after consultation with your distributor. *For special versions, the data in the specific documentation apply, not those in the catalog!*

Selection table

Signal periods per revolution	100, 200, 250, 256, 400, 500, 512, 625, 800, 1000, 1024, 1250, 2000, 2048, 2500, 4000, 4096, 5000, 8000, 8192, 10 000	
Commutation	0	Without commutation
	2, 3, 4	Number of commutation signal periods per revolution (= number of pairs of poles)
Shaft diameter	Metric	4 mm, 5 mm, 6 mm, 8 mm
	Inch	1/8, 1/8+, 3/16, 3/16+, 1/4, 1/4+, 5/16, 5/16+, 3/8, 3/8+
Interface	LD	Square-wave signals with differential line driver as per RS 422
	PP	Square-wave signals with push-pull single-ended driver output
Voltage supply	5/0	+5 V ±5 %
Reference mark	1	*Width:* 90° ±45° elec. *Position:* $U_{a1\ High}$ and $U_{a2\ High}$
	6	*Width:* 90° ±45° elec. *Position:* $U_{a1\ Low}$ and $U_{a2\ Low}$
	7	*Width:* 270° ±45° elec. *Position:* $U_{a1\ High}$ and $U_{a2\ High}$
	8	*Width:* 270° ±45° elec. *Position:* $U_{a1\ Low}$ and $U_{a2\ Low}$
PCB connector	R	Radial
	A	Axial
Flange and housing versions	C, SC*	Flange with Ø 32.5 mm mounting screw circle, closed housing
	H, SH*	Flange with Ø 32.5 mm mounting screw circle, housing with central hole
	C4, SC4*	Flange with Ø 46.0 mm mounting screw circle, closed housing
	H4, SH4*	Flange with Ø 46.0 mm mounting screw circle, housing with central hole
	CR, SCR*	Synchro flange resolver size 15, closed housing
	HR, SHR*	Synchro flange resolver size 15, housing with central hole

* Housing with connections for strain relief on encoder cable