ROLLER CONVEYORS
RM 8330
Merge
Powered

24V

48V

400V

Product description

The merge merges two conveyor lines by placing products in the gaps in the flow of conveying goods. Alternatively, the merge diverts products from a straight conveyor, e.g., by using an HPD (High Performance Divert).

RM 8330 can also be used in the chill area.

Scope of delivery

- Supply incl. 1 sensor per conveyor/zone
- Supply incl. bus (communication) cable
- The module is partially assembled and pre-wired; the side guides are enclosed separately
- Please order supports and end caps separately

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Technical data

General technical data	
Max. load capacity*	50 kg/m
Conveyor speed*	0.1 to 1.0 m/s (up to 50 kg) 1.01 to 1.39 m/s (at 35 kg, 48 V, 50 W, BI, max. 10 starts/stops per minute and minimum conveying good length of 450 mm)
Max. electrical power per zone	50 W
Incline/decline	Not suitable
Ambient temperature	0 to +40 °C normal range –30 to 0 °C deep freeze area
Roller	
Roller type	Interroll Series 3500
Roller diameter	50 mm
Roller material	Steel 1.5 mm, zinc-plated
Drive	
Rated voltage	24/48 V
Motor type	Interroll RollerDrive EC5000
Drive medium	PolyVee belts
Torque transmission	Roller-to-Roller
Control	MultiControl

*The combination of maximum values is not always possible.

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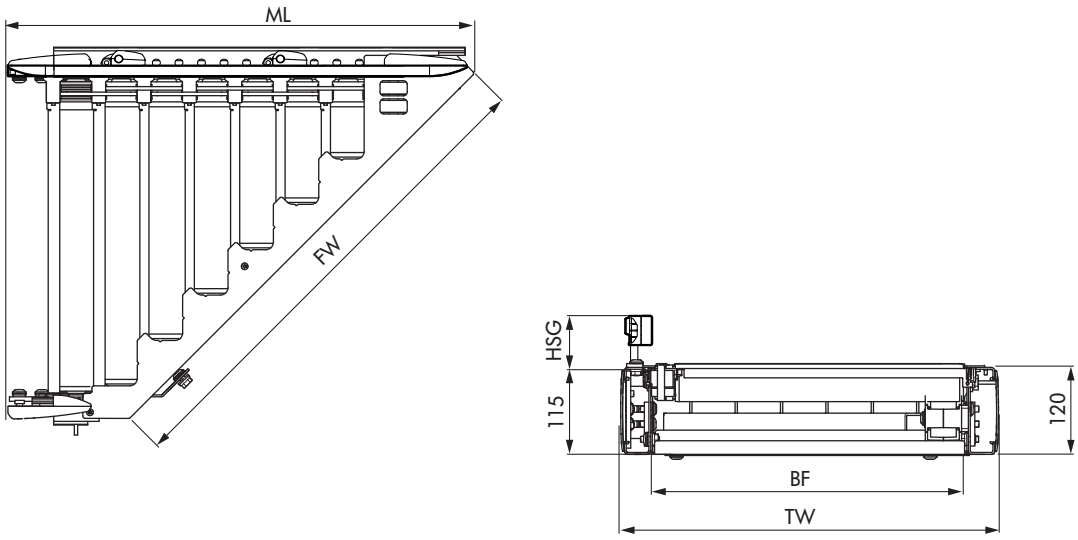
Dimensions



BF	Rated width	420, 620, 840 mm (others on request)
LW	Clear width	BF (+120/–90 mm per side with flexible side guide)
ML	Module length	561 to 1675 mm
TW	Module width	BF + 80 mm
FW	Opening width	594 to 1680 mm
α	Angle	30°/45°
P	Roller pitch	60 mm
HSG	Side guide height	68 mm (standard), adjustable from 35 – 80 mm with fixed holders

The angle and clear width of a merge or diverter module define the dimensions of the module.

The following table shows the standard dimensions of the merge/diverter modules (merges).

BF [mm]	**Angle α = 45°**		**Angle α = 30°**	
	ML [mm]	**FW [mm]**	**ML [mm]**	**FW [mm]**
420	561	594	955	840
620	561	877	1256	1240
840	981	1188	1675	1680

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