

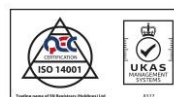
Swivel Divert Unit (SDU)

Material Sortation Modules

Data Sheet:

Swivel Wheel Divert Module – BestConnect+

Applicable Models: SDU



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Swivel Divert Unit (SDU)

Product Description

The FMH Swivel Divert Unit is a high-speed material handling diverter used for manipulating the direction of transported goods.

The SDUs swiveling top rollers divert and merge unit loads on or off the main conveyor line. Able to divert up to 90°, this customisable angle of sortation means the SDU can be integrated into almost any outfeed scenario.

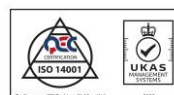
Designed as a modular unit, the SDU can be installed as a single row for smaller sorts, or in a multiple row configuration for larger material flows.



Technical Data

Structural Data

Module Lengths	220mm
Effective Width	630mm to 1260mm - (alternatives available on request)
Roller Pitch	62mm
Module Height (TOR)	TOR +2mm (when mounted in FMH module frame)
Divert Rotation Angle	+90° to -90° (customisable in +/-2° increments)
Side Plates	Fabricated steel construction
Chassis	Fabricated steel construction
Castors/ Feet	Self-supporting poly feet
Physical Connection	M8 Roller fixings (6x)



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Roller/ Drive Data

Top Roller	Ø50mm machined Polyethylene wheels with replaceable Polyurethane tyre
Drives	24Vdc Kyowa Roller Drives (including Conveylinx control cards)
Internal Drive Method	2PJ Industrial Poly-V Belts (2 & 3 rib)
Top Roller Drive	5mm Poly-cord (85° A Shore hardness)
Rotation Drive	24Vdc Kyowa MGU Drive (including Conveylinx control cards)
Variable Speed	<= 2 m/sec (System design dependent)
Forward/ Reverse	Yes
Load Capacity	35kg per unit

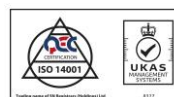
Electrical Data

Power Supply	24Vdc
Module Connections	24Vdc
Isolation	Plug and socket connection
Start/ Stop Control	Controlled through the integrated 24Vdc Conveylinx control cards.
Emergency Stops	Specification is situation dependent.
Drive Controls	Controlled through the integrated 24Vdc Conveylinx control cards.
System Integration	ProfiNet

Efficiency Data

Noise	< 70dBA
Motor Rating	0.16kW per unit (2x motors per module)
Max. Amperage	5.0A per unit MAX
Sleep Modes	Specification is situation dependent.
Efficiency Flow Control	Specification is situation dependent.
Operating Temperature	+5°c - +40°c
Humidity	70% Maximum

Product Image



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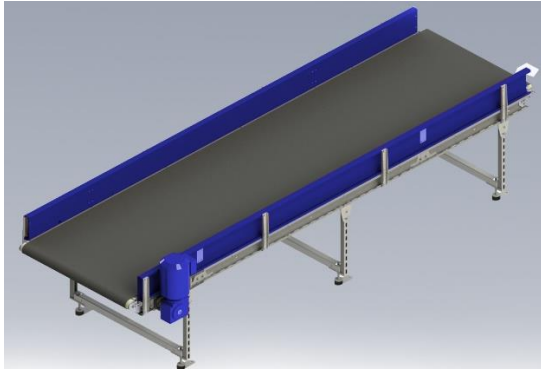
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Performance Options



Integrated Equipment

The BestConnect+ platform lends itself incredibly well to the additions of other operational equipment. Weigh Scales, Ball Tables and Manual Sortation (OMNI) Tables can all be easily connected into a BestConnect+ system. Belt Conveyor options can also be integrated through our Group Partners - should the operation require that feature. For information on all integrated equipment options, please get in touch with the Sales Office.



Walkover Steps/ Access

To provide regular operations or emergency access over any style of BestConnect+ system, FMH offer a variety of Stepover solutions that can enhance a systems efficiency. The 1200mm wide stairwell gives capacity for 2-way traffic whilst the upgraded handrail gives zero gaps or snags. All options and styles available on request.



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