



 PRODUCT-DETAILS

3GGL282213-BUC

Increased Safety IE5 Ex ec SynRM Motors, 75 kW, 690 V (3GGL282213-BUC)



General Information

Product ID	3GGL282213-BUC
ABB Type Designation	M3GL 280SMA 4
Catalog Description	Increased Safety IE5 Ex ec SynRM Motors, 75 kW, 690 V (3GGL282213-BUC)

Ordering

ABB Type Designation	M3GL 280SMA 4
Invoice Description	M3GL 280SMA 4
Product Name	3Phase Synchronous reluctance motor
Product Type	3GL5__M3GL_IE5_SynRM_Ex
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015290
Medium Description	75kW, 4P, Frame Size 280, 3 Phases, 690V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGL282213-BUC)

Short Description

75kW, 4P, Frame Size 280, 3PH, 690V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
Y	T3	50 Hz	690 V	75.00 kW	1500 r/min	92.60 A	0.750	96.20 %	477.46 N·m	0.00	650 V

Connection Configuration	Y
Temperature Class Default	T3
Input Voltage (U _{in})	690 V
Frequency (f)	50 Hz
Motor Operational Voltage	650 V
Output Power	75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE5 Full Load (100%) 96.2 % Partial Load (75%) 95.7 % Partial Load (50%) 94.7 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S9
Voltage Code	U
EX-Protection	Exec
Gas Group	IIC

Mechanical

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3VL241
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1088 mm
Product Net Height	762 mm
Product Net Width	530 mm
Product Net Weight	639 kg
Gross Weight	659 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Circular Value

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90 %
Sustainable Material Content	Recycled Metal - 29 %
Group Waste to Landfill Target	No non-hazardous waste is sent to a landfill
Improved Resource Efficiency for Customers Offered with Extended Lifetime	Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset Lifetime Extension Services are Offered
End of Life Instructions	3GZW500930-3

Eco Transparency

Environmental Product Declaration - EPD	9AAU00000000027
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Classifications

UNSPSC	26101100
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Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE5 SynRM Motors

Motors and Generators → Motors and Generators for Explosive Atmospheres → Increased Safety Ex ec Zone 2 Motors → Increased Safety IE5 Ex ec SynRM Motors

