SIEMENS
Ingenuity for life

Which integrated **safety function** do you need?

Safely stop the drive

PROFIsafe

STO* (Safe Torque Off)
SINAMICS **G** ➔ SINAMICS G110M, G120D, G120C, G120, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

SS1* (Safe Stop 1)
SINAMICS **G** ➔ SINAMICS G120D, G120, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

SS2 (Safe Stop 2)
SINAMICS **S** ➔ SINAMICS S120, S150, S210

SOS (Sicherer Betriebshalt / Safe Operating Stop)
SINAMICS **S** ➔ SINAMICS S120, S150, S210

Terminal

Same as with PROFIsafe, additionally the following function:

STO* (Safe Torque Off)
SINAMICS **V** ➔ SINAMICS V90
SINAMICS **G** ➔ SINAMICS G110D, G120X, G180

Safe brake management

PROFIsafe

SBC* (Safe Brake Control)
SINAMICS **G** ➔ SINAMICS G120, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

SBT (Safe Brake Test)
SINAMICS **G** ➔ SINAMICS G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

Terminal

SBC* (Safe Brake Control)
SINAMICS **G** ➔ SINAMICS G120, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

SBT (Safe Brake Test)
SINAMICS **G** ➔ SINAMICS G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150, S210

Safely monitor the drive motion

PROFIsafe

Same as activation by terminal, additionally the following functions: **SLS, SDI, SSM, SLA** für **S210**

Terminal

SLS* (Safely-Limited Speed)
SINAMICS **G** ➔ SINAMICS G120D, G120, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150

SDI* (Safe Direction)
SINAMICS **G** ➔ SINAMICS G120, G120D, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150

SSM* (Safe Speed Monitor)
SINAMICS **G** ➔ SINAMICS G120, G120D, G130, G150
SINAMICS **S** ➔ SINAMICS S120, S150

SLA (Safely-Limited Acceleration)
SINAMICS **S** ➔ SINAMICS S120, S150

*without encoder possible

Safely monitor the drive position

PROFIsafe

SLP (Safely-Limited Position)
SINAMICS **S** ➔ SINAMICS S120, S150

SP (Safe Position)
SINAMICS **S** ➔ SINAMICS S120, S150

SCA (Safe Cam)
SINAMICS **S** ➔ SINAMICS S120, S150

Terminal

SLP (Safely-Limited Position)
SINAMICS **S** ➔ SINAMICS S120, S150

Safety functions of SINAMICS frequency converter